



Licence

Environmental Protection Act 1986, Part V

Licensee: Roads 2000 Pty Ltd

Licence: L7793/2002/7

Registered office: Suite 8, 88 Walters Drive
 OSBORNE PARK
 WA 6017

ACN: 081 677 778

Premises address: 229 & 217 Gnangara Road
 WANGARA WA 6065
 Part of Lot 16 on Diagram 25334 and Part of Lot 7 on Diagram 16447 as depicted in Schedule 1

Issue date: 25 September 2015

Commencement date: 27 September 2015

Expiry date: 26 September 2035

Prescribed Premises Category

Schedule 1 of the Environmental Protection Regulations 1987

Category number	Category description	Category production or design capacity	Premises production or design capacity
35	Asphalt manufacturing - premises on which hot or cold mix asphalt is produced using crushed or ground rock aggregates mixed with bituminous or asphaltic materials for use at a place or premises other than those premises.	Not applicable	150,000 tonnes per annual period

Conditions of Licence

Subject to the conditions of the licence set out in the attached pages.

Date signed: 15 June 2016

.....
 Jonathan Bailes
 Manager Licensing (Process Industries)
 Officer delegated under Section 20
 of the *Environmental Protection Act 1986*



Contents

Introduction	2
Licence conditions	4
1 General	4
2 Emissions	6
3 Monitoring	7
4 Information	8
Schedule 1: Maps	10
Schedule 2: Reporting & notification forms	12

Introduction

This Introduction is not part of the Licence conditions.

Who we are

The Department of Environment Regulation (DER) is a Government Department for the State of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to protect and conserve the State's environment on behalf of the people of Western Australia.

Our industry licensing role

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER works with the business owners, community, consultants, industry and other representatives to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitor and audit compliance with works approvals and licence conditions, take enforcement action as appropriate and develop and implement licensing and industry regulation policy.

Licence requirements

This licence is issued under Part V of the Act. Conditions contained with the licence relate to the prevention, reduction or control of emissions and discharges to the environment and to the monitoring and reporting of them.

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link:

<http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

For your Premises relevant statutory instruments include but are not limited to obligations under the:

- Environmental Protection (Unauthorised Discharges) Regulations 2004 – these Regulations make it an offence to discharge certain materials such as contaminated stormwater into the environment other than in the circumstances set out in the Regulations.
- Environmental Protection (Controlled Waste) Regulations 2004 - these Regulations place obligations on you if you produce, accept, transport or dispose of controlled waste.
- Environmental Protection (Noise) Regulations 1997 – these Regulations require noise emissions from the Premises to comply with the assigned noise levels set out in the Regulations.

You must comply with your licence. Non-compliance with your licence is an offence and strict penalties exist for those who do not comply.



Licence holders are also reminded of the requirements of section 53 of the Act which places restrictions on making certain changes to prescribed premises unless the changes are in accordance with a works approval, licence, closure notice or environmental protection notice.

Licence Fees

If you have a licence that is issued for more than one year, you are required to pay an annual licence fee prior to the anniversary date of issue of your licence. Non payment of annual licence fees will result in your licence ceasing to have effect meaning that it will no longer be valid and you will need to apply for a new licence for your Premises.

Ministerial conditions

If your Premises has been assessed under Part IV of the Act you may have had conditions imposed by the Minister for the Environment. You are required to comply with any conditions imposed by the Minister.

Premises description and Licence summary

Roads 2000 Pty Ltd (Roads 2000) occupies a prescribed premises on 217 and 229 Gnangara Road in Wangara for the purpose of asphalt manufacture.

Two small Environmental Protection Policy Lakes are located in close proximity to the premises. The first is located 800m to the east and another 1,360m to the north. With the development of the suburbs Wangara and Darch, the closest sensitive receptor is an office block located directly behind the premises and residential properties within the suburb of Darch, 500m to the south. The premises was established long before the development of the suburb Darch and the nearby light industries. The plant has air emission control equipment and a dust control system to minimise potential dust impacts on nearby sensitive receptors.

Stormwater is contained onsite and is directed to a sump for infiltration via a triple interceptor that removes hydrocarbons and sediment. Sludge is removed from the sump weekly by a licenced controlled waste carrier.

The raw materials are stored in three-sided bins with a large cover on top. From there the raw materials are processed either through a fixed plant or mobile Astec Voyager 120 plant. The raw materials are dried through a gas fired dryer then mixed with bitumen and additives to produce the asphalt. This is then stored in a loadout silo prior to filling delivery trucks.

This licence is an amendment requested by the Licensee to include a second mobile asphalt plant that can operate within the premises and be allowed to move to and from the premises. Only one mobile plant will be operating at any one time. Either mobile plant will be located so that the emissions will go through a common fixed stack. The licences and works approvals issued for the Premises since 01/01/2013 are:

Instrument log		
Instrument	Issued	Description
L7793/2002/6	13/02/2013	Licence amendment
L7793/2002/6	26/07/2013	Format amendment
L7793/2002/6	19/02/2015	Amendment to include Astec Voyager 120
L7793/2002/6	14/08/2015	Amendment to allow movement of Astec Voyager 120 on and off site
L7793/2002/7	25/09/2015	Licence reissue
L7793/2002/7	30/06/2016	Licence amendment to include second mobile asphalt plant

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence conditions

1 General

1.1 Interpretation

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

1.1.2 In the Licence, unless the contrary intention appears:

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

'annual period' means the inclusive period from 1 July of the previous year to 30 June in the following year;

'AS 4323.1' means the Australian Standard AS4323.1 *Stationary Source Emissions Method 1: Selection of sampling positions*;

'Astec Voyager 120-1' means the asphalt manufacturing plant produced by Astec, type Voyager 120 with the following trailer components identifiable by the registration plates 1TQN298, 1TQN299, 1TQW804 and 1TQW805;

'Astec Voyager 120-2' means the asphalt manufacturing plant produced by Astec, type Voyager 120 with the following trailer components identifiable by the registration plates 1TRI424, 1TRI425, 1TRI426 and 1TRI427;

'averaging period' means the time over which a limit is measured or a monitoring result is obtained;

'bin walls' means the walls of raw material storage bins, and includes temporary windshields which may be installed as a dust control measure, and for the purpose of this licence, increase the height of the walls;

'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

'cold feed bins' means bins into which raw materials are placed immediately prior to being used to manufacture asphalt. They differ from raw material storage bins by being physically attached to conveyors leading directly into the asphalt manufacturing plant;

'Licence' means this Licence numbered L7793/2002/7 and issued under the Act;

'Licensee' means the person or organisation named as Licensee on page 1 of the Licence;

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;



'normal operating conditions' means any operation of a particular process (including abatement equipment) excluding start-up, shut-down and upset conditions, in relation to stack sampling or monitoring;

'NOx' means oxides of nitrogen, calculated as the sum of nitric oxide and nitrogen dioxide and expressed as nitrogen dioxide;

'PM' means total particulate matter including both solid fragments of material and minuscule droplets of liquid;

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

'raw materials' means coarse aggregate, fine aggregate, hydrated lime and oxide or other any granular material added to the bitumen making process;

'Schedule 1' means Schedule 1 of this Licence unless otherwise stated;

'Schedule 2' means Schedule 2 of this Licence unless otherwise stated;

'shut-down' means the period when plant or equipment is brought from normal operating conditions to inactivity;

'stack test' means a discrete set of samples taken over a representative period at normal operating conditions;

'start-up' means the period when plant or equipment is brought from inactivity to normal operating conditions;

'STP dry' means standard temperature and pressure (0° Celsius and 101.325 kilopascals respectively), dry;

'USEPA' means United States (of America) Environmental Protection Agency;

'USEPA Method 2' means the USEPA Method 2 – Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube);

'USEPA Method 5' means the USEPA Method 5 - Determination of Particulate Matter Emissions From Stationary Sources;

'USEPA Method 7E' means the USEPA Method 7E - Determination of Nitrogen Oxides Emissions From Stationary Sources (Instrumental Analyzer Procedure);

'USEPA Method 10' means the USEPA Method 10 - Determination of Carbon Monoxide Emissions From Stationary Sources (Instrumental Analyzer Procedure);

'USEPA Method 17' means the USEPA Method 17 - Determination of Particulate Matter Emissions From Stationary Sources;

'USEPA Method 18' means the USEPA Method 18 - Measurement of Gaseous Organic Compound Emissions By Gas Chromatography; and

'waste' has the meaning defined in the Act.

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

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



1.2 Premises operation

1.2.1 The Licensee shall ensure that automatic safeguards are incorporated within the process to prevent the ignition of bitumen within the drums.

1.2.2 The Licensee shall ensure that:

- (a) the baghouses are operational prior to start-up of the dryer and operated continuously whilst the dryers are operating;
- (b) the baghouse filters are regularly inspected; and
- (c) when detected, blocked, frayed or leaking, baghouse filters are immediately replaced.

1.2.3 The Licensee shall ensure that all conveyors are enclosed with windshields, or otherwise appropriately designed to minimise the generation of airborne dust.

1.2.4 No raw materials, materials or fuels, listed in Table 1.2.1 shall be subjected to the process in that table unless they comply with the relevant specifications in that table.

Table 1.2.1: Processing of materials

Material	Process	Specification
Raw Materials	Storage and transport on the Premises	The Licensee shall ensure that: <ul style="list-style-type: none"> i) granular raw materials, are stored only in ground bins or cold feed bins; ii) all bins comprise of at least three sides and be of sufficient capacity to contain the stored materials; iii) cold feed bins are roofed; iv) at no time shall stored materials in the bins extend beyond the sides or height of the bin walls; and v) materials are kept sufficiently damp through the use of misting water sprays.

1.2.5 When operational, the Astec Voyager 120-1 or the Astec Voyager 120-2 shall be located on the premises as depicted on the map of emission points in Schedule 1.

1.2.6 Subject to condition 1.3.5, the Licensee may move the Astec Voyager 120-1 and/or the Astec Voyager 120-2 from the premises and relocate it back within the premises.

2 Emissions

2.1 General

2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.



2.2 Point source emissions to air

2.2.1 The Licensee shall ensure that where waste is emitted to air from the emission points in Table 2.2.1 it is done so in accordance with the conditions of this licence.

Table 2.2.1: Emission points to air			
Emission point reference	Emission point	Emission point height (m)	Source, including any abatement
A1	Fixed plant stack	12.2m above ground level	Drum dryer via a baghouse dust collector
A2-1	Common fixed stack for Astec Voyager 120 mobile plant	13m above ground level	Astec Voyager 120-1 mobile asphalt plant via a baghouse dust collector.
A2-2			Astec Voyager 120-2 mobile asphalt plant via a baghouse dust collector

2.2.2 The Licensee shall not cause or allow point source emissions to air greater than the limits listed in Table 2.2.2.

Table 2.2.2: Point source emission limits to air			
Emission point Reference	Parameter	Limit (including units)¹	Averaging period
A1	PM	50 mg/m ³	Stack Test (Minimum 1 hour average)
A2-1 and A2-2			

Note 1: All units are referenced to STP dry

2.3 Emissions to land

2.3.1 The Licensee is permitted, subject to conditions in the Licence, to emit waste to land through the emission points listed in Table 2.3.1.

Table 2.3.1: Emissions to land		
Emission point reference	Description	Source including abatement
L1	Discharge of treated stormwater via infiltration from final collection sump.	Stormwater that has been discharged through a silt trap, and, where hydrocarbon contamination is likely, through a fuel/oil trap.

3 Monitoring

3.1 General monitoring

3.1.1 The licensee shall ensure that all samples are submitted to a laboratory with current NATA accreditation for the parameters to be measured.

3.1.2 The Licensee shall ensure that annual monitoring is undertaken at least 9 months apart.



3.2 Monitoring of point source emissions to air

3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of point source emissions to air				
Emission point reference	Parameter	Units¹	Frequency²	Method
A1 A2-1 ³ A2-2 ³	PM	mg/m ³	Annually	USEPA Method 5 or USEPA Method 17
	NO _x			USEPA Method 7E
	Carbon monoxide	g/s		USEPA Method 10
	Total Volatile Organic Compounds			USEPA Method 18
	Stack flow rate	m ³ /min		USEPA Method 2
	Stack velocity	m/sec		USEPA Method 2

Note 1: All units are referenced to STP dry and corrected to 17% Oxygen.

Note 2: Monitoring shall be undertaken to reflect normal operating conditions and any limits or conditions on inputs or production.

Note 3: Monitoring may be carried out while the Astec Voyager 120-1 or Astec Voyager 120-2 is located at any other prescribed premises.

3.2.2 The Licensee shall ensure that sampling required under Condition 3.2.1 of the Licence is undertaken at sampling locations in compliance with the AS 4323.1.

3.2.3 The Licensee shall ensure that all non-continuous sampling and analysis undertaken pursuant to condition 3.2.1 is undertaken by a holder of NATA accreditation for the relevant methods of sampling and analysis.

4 Information

4.1 Records

4.1.1 All information and records required by the Licence shall:

- (a) be legible;
- (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
- (c) except for records listed in 4.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
- (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.

4.1.2 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.



4.1.3 The Licensee shall:

- (a) implement a complaints management system that shall record the following information (if known or provided) about complaints received at the Premises concerning any environmental impact of the activities undertaken at the Premises:
 - (i) name and address of the complainants (if consented);
 - (ii) date and time of complaint;
 - (iii) date and time of alleged incident;
 - (iv) alleged source of the incident;
 - (v) general description of the alleged incident, including any environmental or health impacts reported by the complainant;
 - (vi) wind direction, wind speed and temperature at time of alleged incident;
 - (vii) likely source of the alleged incident; and
 - (viii) actions taken by the Licensee to address the complaint, including the outcome of any investigation(s) and action(s) to verify any impacts.
- (b) complete an annual analysis and review of complaints recorded under 4.1.4(a) to identify any common factors and root cause of complaints and proposals to address these.

4.2 Reporting

4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 31 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	Summary of any failure or malfunction of any pollution control equipment or any incidents that have occurred during the annual period and any action taken.	None specified
4.1.3	Compliance	AACR
4.1.4	Complaints summary	None specified
Table 3.2.1	Monitoring of point source emissions to air	

Note 1: Forms are in Schedule 2

4.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:

- (a) an assessment of the information contained within the report against previous monitoring results and Licence limits; and
- (b) a list of any original monitoring reports submitted to the Licensee from third parties for the annual period and make these reports available on request.

4.3 Notification

4.3.1 The Licensee shall ensure that the parameters listed in Table 4.3.1 are notified to the CEO at the Contact Address and in accordance with the notification requirements of the table.

Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement	Format or form¹
2.1.1	Breach of any limit specified in the Licence	As soon as practicable but no later than 5pm of the next usual working day.	N1

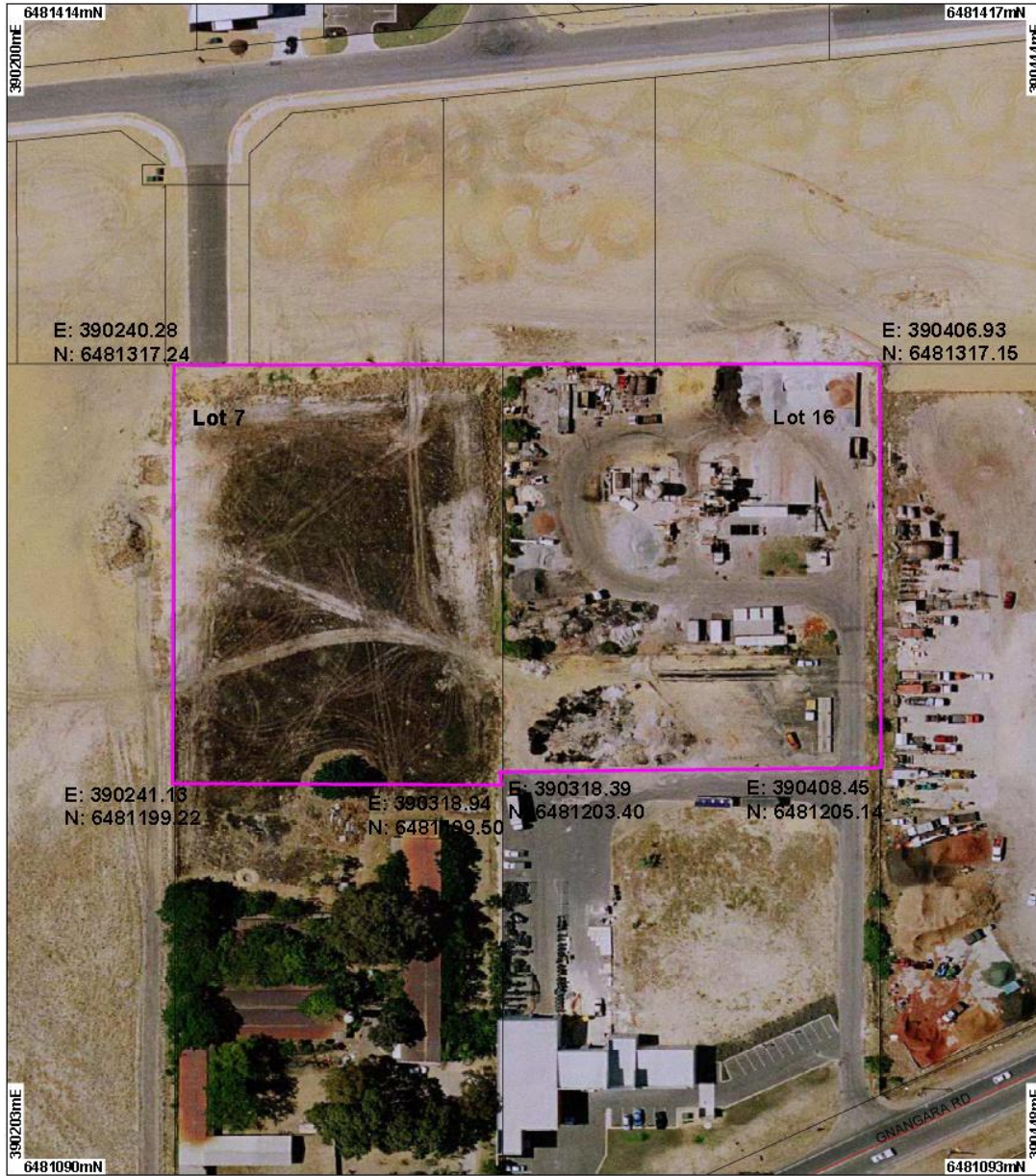
Note 1: Forms are in Schedule 2



Schedule 1: Maps

Premises map

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



LEGEND

Road Centrelines	<input type="checkbox"/> Crown Lease	metrn metropolitan north 20cm Orthomosaic - Landgate 2007	 Scale: 1:1500 (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: christineda Prepared for: Date: 10/06/2013 2:15:50 PM
Cadastre	<input type="checkbox"/> Lease / Reserve		
<input type="checkbox"/> Freehold	<input type="checkbox"/> Lease on State Forest / Timber Reserve		
<input type="checkbox"/> Crown Reserve	<input type="checkbox"/> Public Roads		
<input type="checkbox"/> State Forest / Timber Reserve	<input type="checkbox"/> Unallocated Crown Land		
<input type="checkbox"/> Marine Park (cont)	<input type="checkbox"/> Water		

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

Department of Environment and Conservation
Our environment, our future
WA Crown Copyright 2012



Map of emission points





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

Licence: L7793/2002/7 Licensee: Roads 2000 Pty Ltd
 Form: AACR Period :
 Name: Annual audit compliance report

Annual audit compliance report

Section A: Statement of compliance with Licence conditions

Were all conditions of licence complied with within the annual period?		
Yes	<input type="checkbox"/>	Initial Sections A & B, then proceed to Section C
No	<input type="checkbox"/>	Initial Section A, then proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this annual audit compliance report (AACR).

Initial:



Section B: Details of non-compliance with Licence condition

a) Licence condition not complied with?	
b) Date(s) b) Date(s) and time(s) the non compliance occurred, if applicable?	
c) Was this non compliance reported to DER?	
<input type="checkbox"/> Yes, and <input type="checkbox"/> Reported to DER verbally Date <input type="checkbox"/> Reported to DER in writing Date	<input type="checkbox"/> No
d) Has DER taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Please use a separate page for each Licence condition that was not complied with. Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:



Section C: Signature and certification

This AACR must only be signed by a person(s) with legal authority to sign it as defined below. Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the Licence holder is		The AACR must be signed and certified:
an individual	<input type="checkbox"/> <input type="checkbox"/>	by the individual Licence holder, or by a person approved in writing by the Chief Executive Officer (CEO) of DER to sign on the Licensee's behalf.
a corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the Licensee in accordance with the Corporations Act 2001; or by two directors of the Licensee; or by a director and a company secretary of the Licensee, or if the Licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the Licensee; or by a person with authority to sign on the Licensee's behalf who is approved in writing by the CEO of DER.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the Licensee; or by a person with authority to sign on the Licensee's behalf who is approved in writing by the CEO of DER.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the CEO of the Licensee; or by affixing the seal of the local government.

It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular. There is a maximum penalty of \$50,000 for an individual or body corporate.

I/We declare that the information in this AACR is correct and not false or misleading in a material particular.

Signature: _____
 Name: (printed) _____
 Position: _____
 Date: _____/_____/_____

Signature: _____
 Name: (printed) _____
 Position: _____
 Date: _____/_____/_____

Seal (if signing under seal)



Licence: L7793/2002/7
 Form: N1

Licensee: Roads 2000 Pty Ltd
 Date of breach:

Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.

These pages outline the information that the operator must provide.
 Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

Part A

Licence Number	
Name of operator	
Location of Premises	
Time and date of the detection	

Notification requirements for the breach of a limit	
Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

Part B - to be submitted as soon as practicable

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident.	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission.	
The dates of any previous N1 notifications for the Premises in the preceding 24 months.	

Name	
Post	
Signature on behalf of Roads 2000 Pty Ltd	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Roads 2000 Pty Ltd

Licence: L7793/2002/7

Registered office: Suite 8, 88 Walters Drive
OSBORNE PARK
WA 6017

ACN: 081 677 778

Premises address: 229 & 217 Gnangara Road
WANGARA
WA 6065
Part of Lot 16 on Diagram 25334 and Part of Lot 7 on Diagram 16447

Issue date: 25 September 2015

Commencement date: 27 September 2015

Expiry date: 26 September 2035

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:

Peter Knol
Senior Licensing Officer

Decision Document authorised by:

Jonathan Bailes
Delegated Officer



Contents

1	Purpose of this Document	2
2	Administrative summary	3
3	Executive summary of proposal and assessment	4
4	Decision table	5
5	Advertisement and consultation table	7
6	Risk Assessment	7

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 checked="" type="checkbox"/>	Works Approval amendment <input type="checkbox"/>
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	35	150,000 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 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 type="checkbox"/>	No <input checked="" type="checkbox"/>
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>



3 Executive summary of proposal and assessment

Roads 2000 Pty Ltd (Roads 2000) occupies a prescribed premises on 217 and 229 Gnangara Road in Wangara for the purpose of asphalt manufacture.

Two small Environmental Protection Policy Lakes are located in close proximity to the premises. The first is located 800m to the east and another 1,360m to the north. With the development of the suburbs Wangara and Darch, the closest sensitive receptor is an office block located directly behind the premises and residential properties within the suburb of Darch, 500m to the south. The premises was established long before the development of the suburb Darch and the nearby light industries. The plant has air emission control equipment and a dust control system to minimise potential dust impacts on nearby sensitive receptors.

Stormwater is contained onsite and is directed to a sump for infiltration via a triple interceptor that removes hydrocarbons and sediment. Sludge is removed from the sump weekly by a licenced controlled waste carrier.

The raw materials are stored in three-sided bins with a large cover on top. From there the raw materials are processed either through a fixed plant or mobile Astec Voyager 120 plant. The raw materials are dried through a gas fired dryer then mixed with bitumen and additives to produce the asphalt. This is then stored in a loadout silo prior to filling delivery trucks.

This licence is an amendment requested by the Licensee to include a second mobile asphalt plant that can operate within the premises and be allowed to move to and from the premises. Only one mobile plant will be operating at any one time. Either mobile plant will be located so that the emissions will go through a common fixed stack.



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	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	1.1.2	Licence definitions have been updated to include separate definitions for each mobile Astec Voyager 120 plant. Plants have been given the unique identifiers of: "Astec Voyager 120-1" and "Astec Voyager 120-2". Definitions that are not used in the licence conditions have been removed.	-
	1.1.5	Condition 1.1.5 has been removed as it contained explanatory text only.	
	1.2.1	Condition 1.2.1 has been removed as it is not sufficiently clear or certain. Requirements for the maintenance of bag filters are contained in condition 1.2.1 (previously 1.3.1)	
	1.2.2	Condition 1.2.2 has been removed as it inconsistently regulates activities below prescribed category thresholds for EP Act Licences, and between premises that are prescribed for other purposes and those which are not.	
	1.2.3	Condition 1.2.3 has been removed as discharge of stormwater is regulated under condition 2.3.1.	
	1.2.5 -1.2.6	Conditions 1.2.5 and 1.2.6 have been updated to include the second mobile asphalt plant.	



DECISION TABLE			
Works Approval / Licence section	Condition number	Justification (including risk description & decision methodology where relevant)	Reference documents
Point source emissions to air including monitoring	2.2.1 – 2.2.2	Tables 2.2.1 and 2.2.2 have been updated to include the second mobile asphalt plant.	-
	3.1.3	Condition 3.1.3 has been removed as it does not clearly state the outcome that must be achieved.	
	3.2.1	Table 3.2.1 has been updated to allow monitoring to be carried out when the mobile plant is located and operational at other prescribed premises to allow the Licensee flexibility in operating arrangements. The requirement to use Form AR1 has been removed from the licence to allow the Licensee to supply data in other formats.	
	3.2.4 and 3.2.5 (previous conditions)	Conditions 3.2.4 and 3.2.5 relating to the commissioning of the Astec Voyager 120 plant have been removed. Operational monitoring is specified in condition 3.2.1.	
Fugitive Emissions	2.4.1	Condition 2.4.1 has been removed as specific fugitive dust controls are specified in conditions 1.2.3 and 1.2.4 (previous 1.3.3 and 1.3.4). The substantive offences of the EP Act provide enforceable prohibitions for dust emissions that result in pollution or environmental harm.	-
Reporting and Notification	4.1.2	Condition 4.1.2 has been removed as it is not enforceable as the requirements for compliance are not clear.	-
	4.2.2	Condition 4.2.2 has been updated to reflect the removal of condition 3.1.3.	
	4.3.1	Table 4.3.1 has been updated to remove the notification requirements for locating the mobile plant. It is expected that the Licensee maintains a log recording which mobile plant is located on the premises.	
Licence duration	-	The licence duration has not been changed as a result of this amendment.	-



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
15 June 2016	Draft sent to licensee	27 June 2016 received a waiver form to issue the amended licence as soon as possible.	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