



# Licence

## *Environmental Protection Act 1986, Part V*

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**Licensee:** Asphalttech Pty Ltd

**Licence:** L8447/2010/3

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**Registered office:** Level 5  
12 St Georges Terrace  
PERTH WA 6000

**ACN:** 064 520 869

**Premises address:** 416 Victoria Road  
MALAGA WA 6090  
Being Lot 176 on Diagram 92075 Victoria Road, Malaga, WA, 6090 as depicted in Schedule 1.

**Issue date:** Friday, 02 October 2015

**Commencement date:** Sunday, 04 October 2015

**Expiry date:** Sunday, 03 October 2021

**Prescribed premises category**

Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved 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 places or premises other than those premises.	Not Applicable	70,000 Tonnes per annum

**Conditions**

This Licence is subject to the conditions set out in the attached pages.

Date signed: 1 October 2015

.....  
Ed Schuller  
Senior Manager – Industry Regulation (Process Industries)  
Officer delegated under section 20  
of the *Environmental Protection Act 1986*



## Contents

Licence	1
Contents	2
Introduction	2
Licence conditions	4
1 General	4
2 Emissions	7
3 Monitoring	8
4 Information	9
Schedule 1: Maps	11
Schedule 2: Reporting & notification forms	12

## Introduction

This Introduction is not part of the Licence conditions.

### DER's industry licensing role

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 advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitors and audits compliance with works approvals and licence conditions, takes enforcement action as appropriate and develops and implements licensing and industry regulation policy.

### Licence requirements

This Licence is issued under Part V of the Act. Conditions contained within 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 Environment. You are required to comply with any conditions imposed by the Minister.

### Premises description and Licence summary

Asphaltech Pty Ltd (Asphaltech) began asphalt production by mixing aggregate materials with bitumen in September 1994. Asphaltech's premises is located within an industrial area in the suburb of Malaga that is neighboured by a residential development approximately 400 metres (m) southeast. Other nearby sensitive receptors include South Lake (230 m northeast) and Little Rush Lake (775 m east), which are wetlands classified for resource enhancement and conservation respectively.

Air emission testing at the premise conducted in August 2015 showed very low levels of particulates being emitted to air, demonstrating the bag house filter works adequately.

The drier uses natural gas as a fuel and the plant has a fume extraction system from the pugmill (where the aggregate and bitumen is mixed together) which is fed into the bag house filter.

Stormwater is retained on site with all water that falls within bunded diesel storage areas and the bitumen tank being passed through one of two triple interceptors to remove sediment and hydrocarbons. Treated stormwater is then discharged to a settling pond where water is infiltrated. Chemicals and hydrocarbons in lower quantities are stored in storage cupboards and pallet bunding to prevent discharges to land.

Asphaltech is accredited to ISO 14001:2004 for Environmental Management Systems as well as having accreditation in safety and quality. As part of this accreditation Asphaltech operations are audited by a third party twice per year.

This Licence is the successor to licence L8447/2010/2 and has been updated to the current licence template. Stack sampling requirements have also been updated.

The licences and works approvals issued for the Premises for the last 5 years are:

Instrument log		
Instrument	Issued	Description
L8447/2010/2	01/10/2010	Licence re-issue.
L8447/2010/2	26/07/2013	Licence converted to current licence template.
L8447/2010/3	02/10/2015	Licence re-issue.

### 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 For the purposes of this Licence, unless the contrary intention appears:

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

**'annual period'** means the inclusive period from 1 January until 31 December in that year;

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

**'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 wind shields 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](mailto: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;

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

**'ground bin'** means a three sided concrete structure with a hardstand base, used to store granular raw materials;

**'Licence'** means this Licence numbered L8447/201/3 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 miniscule 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;

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

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

**'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 Analyser 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

**'usual working day'** means 0800 – 1700 hours, Monday to Friday excluding public holidays in Western Australia.

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.



- 1.1.5 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:
- (a) pollution;
  - (b) unreasonable emission;
  - (c) discharge of waste in circumstances likely to cause pollution; or
  - (d) being contrary to any written law.

## 1.2 General conditions

- 1.2.1 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.
- 1.2.2 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.
- 1.2.3 The Licensee shall:
- (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
  - (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.<sup>1</sup>

Note1: *The Environmental Protection (Unauthorised Discharges) Regulations 2004* make it an offence to discharge certain materials into the environment.

## 1.3 Premises operation

- 1.3.1 The licensee shall ensure that automatic safeguards are incorporated within the process to prevent the ignition of bitumen within the drum.
- 1.3.2 The Licensee shall ensure that:
- (a) the baghouse is operational prior to start-up of the drier and operated continuously whilst the drier is operating;
  - (b) the baghouse filters are regularly inspected; and
  - (c) when detected, blocked, frayed or leaking, baghouse filters are immediately replaced.
- 1.3.3 No raw materials, materials or fuels, listed in Table 1.3.1 shall be subjected to the process in that table unless they comply with the relevant specifications in that table.



**Table 1.3.1: Processing of materials**

Material	Process	Specification
Granular Raw Materials	Storage and transport on the Premises	<p>The Licensee shall ensure that:</p> <ul style="list-style-type: none"><li>i) granular raw materials, are stored only in ground bins or cold feed bins;</li><li>ii) all bins comprise of at least three sides and be of sufficient capacity to contain the stored materials;</li><li>iii) cold feed bins are roofed;</li><li>iv) at no time shall stored materials in the bins extend beyond the sides or height of the bin walls;</li><li>v) materials are kept sufficiently damp through the use of misting water sprays;</li><li>vi) the operation of the misting water sprays is inspected on a daily basis to ensure that they are operating efficiently; and</li><li>vii) all conveyors transporting aggregate granular materials to the drum drier are enclosed with windshields, or otherwise appropriately designed to minimise the generation of airborne dust.</li></ul>
Bulk Filler (e.g. Lime)	Storage	<p>Bulk filler may only be stored (other than bagged storage) in a purpose built storage silo, which is designed and operated to meet the following requirements:</p> <ul style="list-style-type: none"><li>i) Air discharged from any silo during filling shall pass through a filter-type dust collector fitted with either a mechanical rapping or reverse air-pulse filter cleaning system;</li><li>ii) the air outlet from the dust collector shall either be piped to within one metre of the ground or ducted to a fully-enclosed space;</li><li>iii) during the filling of the silo, if there is visible dust being emitted, the fault leading to that emission shall be rectified before the silo is filled from any additional trucks. However, if dust is visibly being carried off the premises, then silo filling shall cease immediately until appropriate measures have been taken to prevent dust being carried off the premises; and</li><li>iv) all inspection ports and hatches shall be sealed during silo filling such that no dust is emitted.</li></ul>

## 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 and identified on the map of emission points in Schedule 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	Stack	13.5	Drum drier via 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) <sup>1,2</sup>	Averaging period
A1	PM	50 mg/m <sup>3</sup>	Minimum 60 minute average (Stack Test)

Note 1: All units are referenced to STP dry

Note 2: Concentration units for A5 are referenced to 17% O<sub>2</sub>

### 2.3 Emissions to land

2.3.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.3.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

**Table 2.3.1: Emissions to land**

Emission point reference	Description	Source including abatement
L1	Discharge of treated stormwater to an infiltration pond	Site stormwater treated through a triple interceptor

## 3 Monitoring

### 3.1 General monitoring

3.1.1 The licensee shall ensure that all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being.

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

3.1.3 The Licensee shall record production or throughput data and any other process parameters relevant to any non-continuous undertaken.

3.1.4 The Licensee shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications and the requirements of the Licence.

3.1.5 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

### 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	Units <sup>1,3</sup>	Frequency <sup>2</sup>	Method
A1	Volumetric flow rate	m <sup>3</sup> /s	Annually	USEPA Method 2
	PM	mg/m <sup>3</sup> and g/s		USEPA Method 5 or USEPA Method 17
	Oxides of Nitrogen (NOx)			USEPA Method 7E
	Total Volatile Organic Compounds			USEPA Method 18
	Carbon monoxide (CO)			USEPA Method 10

Note 1: All units are referenced to STP dry

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

Note 3: Concentration units for A1 are referenced to 17% O<sub>2</sub>.

3.2.2 The Licensee shall ensure that sampling required under Condition 3.2.1 of the Licence is undertaken at sampling locations in accordance 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 ensure that:

- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
- (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.

4.1.3 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.

4.1.4 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.



## 4.2 Reporting

- 4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 60 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form <sup>1</sup>
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Table 3.2.1	Emissions to air monitoring results	AR1
4.1.3	Compliance	Annual Audit Compliance Report (AACR)
4.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

- 4.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- (a) any relevant process, production or operational data recorded under Condition 3.1.3; and
  - (b) an assessment of the information contained within the report against previous monitoring results and Licence limits.
- 4.2.3 The Licensee shall submit the information in Table 4.2.2 to the CEO according to the specifications in that table.

Table 4.2.2: Non-annual reporting requirements				
Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
-	Copies of original monitoring reports submitted to the Licensee by third parties	Not Applicable	Within 14 days of the CEO's request	As received by the Licensee from third parties

## 4.3 Notification

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

Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement <sup>1</sup>	Format or form <sup>2</sup>
2.1.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day.  Part B: As soon as practicable	N1

Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

Note 2: Forms are in Schedule 2



## Schedule 1: Maps

### Premises map and map of emission points

The Premises is shown in the map below. The pink line depicts the Premises boundary. The locations of the emission points in Tables 2.2.1 and 2.3.1 are also shown in the map below.





## 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.

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### ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

#### SECTION A LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name: Trading as:	ABN:
Reporting period:  _____ to _____	

#### STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of the Licence complied with within the reporting period? (please tick the appropriate box)

Yes ☐ Please proceed to Section C

No ☐ Please 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.

Please use a separate page for each Licence condition that was not complied with.

a) Licence condition not complied with:	
b) Date(s) when the non compliance occurred, if applicable:	
c) Was this non compliance reported to DER?:	
<input type="checkbox"/> Yes <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 the 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:	

Each page must be initialled by the person(s) who signs Section C of this AACR

Initial:





## SECTION C

### SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out 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 Annual Audit Compliance Report 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 of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<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 Chief Executive Officer of the Department of Environment Regulation.
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 <i>Corporations Act 2001</i> ; 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 Chief Executive Officer of the Department of Environment Regulation.
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 Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer 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 annual audit compliance report is correct and not false or misleading in a material particular.

SIGNATURE: \_\_\_\_\_

NAME:  
(printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

SEAL (if signing under seal)

SIGNATURE: \_\_\_\_\_

NAME:  
(printed) \_\_\_\_\_

POSITION: \_\_\_\_\_

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_



Licence: L8447/2010/3  
Form: AR1  
Name: Monitoring of point source emissions to air

Licensee: Asphalttech Pty Ltd  
Period :

Form AR1: Monitoring of point source emissions to air							
Emission point	Parameter	Limit	Result <sup>1</sup>	Result <sup>1</sup>	Averaging period	Method	Sample date & times
A1	Volumetric flow rate		m <sup>3</sup> /s			USEPA Method 2	
	PM	50 mg/m <sup>3</sup>	mg/m <sup>3</sup>	g/s		USEPA Method 5 or USEPA Method 17	
	Total VOC		mg/m <sup>3</sup>	g/s		USEPA Method 8	
	Carbon Monoxide		mg/m <sup>3</sup>	g/s		USEPA Method 10	
	Nitrogen oxides		mg/m <sup>3</sup>	g/s		USEPA Method 7E	

Note 1: All units are referenced to STP dry and relevant Oxygen Correction in Table 2.2.2

Signed on behalf of Asphalttech Pty Ltd: ..... Date: .....





Licence: L8447/2010/3  
Form: N1

Licensee: Asphaltech Pty Ltd  
Date of breach:

**Notification of detection of the breach of a limit.**

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**

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 Asphaltech Pty Ltd	
Date	



# Decision Document

## *Environmental Protection Act 1986, Part V*

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**Proponent:**      **Asphaltech Pty Ltd**

**Licence:**        **L8447/2010/3**

---

**Registered office:**    Level 5  
                              12 St Georges Terrace  
                              PERTH WA 6000

**ACN:**                064 520 869

**Premises address:**    416 Victoria Road  
                              MALAGA WA 6090  
                              Being Lot 176 on Diagram 92075 Victoria Road, Malaga, WA, 6090 as  
                              depicted in Schedule 1.

**Issue date:**            Friday, 02 October 2015

**Commencement date:** Sunday, 04 October 2015

**Expiry date:**          Sunday, 03 October 2021

### **Decision**

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue a licence. DER considers that in reaching this decision, it has taken into account all relevant considerations and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by:

Peter Knol  
Senior Licensing Officer

Decision Document authorised by:

Jonathan Bailes  
Delegated Officer



## Contents

Decision Document	1
Contents	2
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 checked="" type="checkbox"/> Licence amendment <input 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>
	35 Asphalt Manufacturing	70,000 tpa
Application verified	Date: 24/07/2015	
Application fee paid	Date: 31/08/2015	
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"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
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"/> Department of Water consulted Yes <input type="checkbox"/> No <input type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, e.g. Site is subject to SO <sub>2</sub> requirements of Kwinana EPP.		



### 3 Executive summary of proposal and assessment

Asphaltech Pty Ltd (Asphaltech) began asphalt production by mixing aggregate materials with bitumen in September 1994. Asphaltech's premises is located within an industrial area in the suburb of Malaga that is neighboured by a residential development approximately 400 metres (m) southeast. Other nearby sensitive receptors include South Lake (230 m northeast) and Little Rush Lake (775 m east), which are wetlands classified for resource enhancement and conservation respectively.

Air emission testing at the premise conducted in August 2015 showed very low levels of particulates being emitted to air, demonstrating the bag house filter works adequately.

The drier uses natural gas as a fuel and the plant has a fume extraction system from the pugmill (where the aggregate and bitumen is mixed together) which is fed into the bag house filter.

Stormwater is retained on site with all water that falls within bunded diesel storage areas and the bitumen tank being passed through one of two triple interceptors to remove sediment and hydrocarbons. Treated stormwater is then discharged to a settling pond where water is infiltrated. Chemicals and hydrocarbons in lower quantities are stored in storage cupboards and pallet bunding to prevent discharges to land.

Asphaltech is accredited to ISO 14001:2004 for Environmental Management Systems as well as having accreditation in safety and quality. As part of this accreditation Asphaltech operations are audited by a third party twice per year.



## 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	L1.2.1 - L1.2.3	Previous condition 1.2.5 (stormwater) has now been captured in condition 1.2.3. Previous condition 1.2.3 (storage of dangerous goods) has now been removed as any potential spill from this would be captured by conditions 1.2.2 and also 1.2.3. Condition 2.5.2 has been removed as the requirement is duplicated by condition 1.2.1.	-
Premises operation	L1.3.3	There is no Reclaimed Asphalt Product being accepted on the premises. The reference to Returned Asphalt Pavement in Table 1.3.1 has been removed.	-
Point source emissions to air including monitoring	L2.2.1 L2.2.2	Condition 2.2.2 defines the limit for particulate emissions from stack A1 which is serviced by a bag filter. The previous licence condition had a limit of 150 mg/m <sup>3</sup> , which is higher than the expected and proven performance of the bag filter. Other premises fitted with similar technology have an emission limit of 50mg/m <sup>3</sup> . Therefore a new limit of 50mg/m <sup>3</sup> has been applied. Stack testing results of 3 August 2015 demonstrate that the equipment on site can comply with this new limit (result was 6.9mg/m <sup>3</sup> average over 2 tests).  The target for exit velocity of the exhaust gases (previous licence condition 2.2.3) has been removed as this is no longer required. Stack testing has confirmed that this requirement is being met and that there is adequate dispersion of emissions from the stack. Condition 2.2.4 has also been removed as this requirement is adequately regulated by the <i>Environmental Protection (Unauthorised Discharge) Regulations 2004</i>	-
Fugitive emissions	-	The previous licence generic conditions regarding fugitive dust emissions (2.6.1 and 2.6.2) have been removed as the management of dust is adequately regulated by the requirements of conditions 1.3.2 and 1.3.3. Section 49 of the <i>Environmental Protection Act 1986</i> also applies.	General Provisions of the <i>Environmental Protection Act 1986</i>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Odour	-	<p>Previous licence generic condition 2.7.1 regarding odour emissions have been removed as the management of odour is adequately regulated by the requirement of condition 1.3.1 and by Section 49 of the <i>Environmental Protection Act 1986</i>.</p> <p>Previous licence condition 2.7.2 has been removed. If odour complaints are substantiated from the premises DER will review the site operations and if required amend the licence to include additional controls.</p>	General Provisions of the <i>Environmental Protection Act 1986</i>
Monitoring general	L3.2.1	Condition 3.2.1 has been amended to include stack testing for Total Volatile Organic Compounds (TVOCs). This inclusion is that based upon information from the Licensee, the fumes from the pugmill are extracted through the baghouse filter and then emitted to air. These fumes can contain TOVCs from the heated bitumen. Data provided through monitoring will allow DER to fully assess the impact of these emissions.	Information provided by Licensee
Licence Duration	-	The Licence has been reissued for a period of six years.	-





## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
07/09/2015	Application advertised in West Australian	No comments received	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