



Licence

Environmental Protection Act 1986, Part V

Licensee: Naturaliste Vintners Pty Ltd

Licence: L8222/2008/2

Registered office: 61 Hairpin Road
C/O Post Office
CARBUNUP RIVER WA 6280

ACN: 102 764 429

Premises address: Naturaliste Vintners
61 Hairpin Road
NORTH JINDONG WA 6280
Being Lot 109 on Plan 73361 as depicted in Schedule 1

Issue date: Thursday, 18 September 2014

Commencement date: Sunday, 28 September 2014

Expiry date: Tuesday, 27 September 2016

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
25	Alcoholic beverage manufacturing: premises on which an alcoholic beverage is manufactured and from which liquid waste is or is to be discharged onto land or into water.	350 kilolitres or more per year	1 260 kilolitres per annual period
61	Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	100 tonnes or more per year	1 000 kilolitres per annual period

Conditions

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

Officer delegated under section 20
of the *Environmental Protection Act 1986*



Contents

Licence	1
Contents	2
Introduction	2
Licence conditions	5
1 General	5
2 Emissions	8
3 Monitoring	9
4 Improvements	11
5 Information	12
Schedule 1: Maps	14
Schedule 2: Reporting & notification forms	16

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 protect and conserve the state's environment on behalf of the people of Western Australia.

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 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

Naturaliste Vintners Pty Ltd operates an alcoholic beverage operation (winery) with a maximum crush capacity of 1 800 tonnes/year of grapes producing up to 1 260 kL of wine. The premises was also designed to be able to accept wastewater (liquid waste) from other wineries; however, no liquid waste is currently accepted at the premises but may be accepted in the future. The winery is located on 30 ha of land on the corner of Bussell Highway and Hairpin Road, approximately 4 km south of the Carburnup River town site.

The site is surrounded by similar agricultural based land-uses, including vineyards to the north, south and west, and grazing of cattle and sheep to the east and south. The nearest residence is a farmhouse approximately 1 km north-west of the winery. There are no watercourses on the property but Island Brook is located approximately 500 metres to the east of the Premises boundary. Groundwater is approximately 2 metres below ground level.

Approximately 3 ML/year of wastewater is treated onsite at the wastewater treatment works. The treatment system consists of two 250 kL intermediate storage tanks where water is stored prior to discharging to a 2.7 ML HDPE lined lagoon fitted with two 12 kW aerators. The aerators are linked to a dissolved oxygen probe and operate automatically to maintain a dissolved oxygen concentration of 1.5 mg/L. From the lagoon, the wastewater is then directed via an overflow to a series of 10 shallow reed beds, designed to reduce BOD levels, and is the final treatment step prior to irrigation. The clay lined ponds are constructed in two rows and each pond is separated by a permeable barrier of gravel and limestone to allow water to flow from one pond to the next in series. The treated wastewater is discharged through irrigation onto an area of 2.0 ha of grass pasture.

Solids greater than 5 mm are screened by the placement of baskets in the drains throughout the winery. The sumps are periodically pumped out by a licensed controlled waste contractor for disposal at an appropriate facility. Marc and other organic solids are deposited directly into a truck and disposed of at a licensed composting facility.

The main discharge from the Premises is treated wastewater discharged to land. The wastewater treatment plant is designed to ensure irrigation to land does not exceed loading rates of nitrogen 180 kg/ha per year, phosphorus 20 kg/ha per year and BOD 30 kg/ha per day.

This licence is the successor to licence L8222/2008/1 and has been converted to REFIRE format with no reassessment of any discharges or emissions.

The licences and works approvals issued for the Premises since 24/09/2009 are:

Instrument log		
Instrument	Issued	Description
L8222/2008/1	24/09/2009	New Licence



L8222/2008/1	27/05/2010	Licence amendment
L8222/2008/2	18/09/2014	Licence reissue to REFIRE format

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 July until 30 June in the following year;

'AS/NZS 5667.1' means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

'AS/NZS 5667.10' means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

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

'CEO' means Chief Executive Officer of the Department of Environment Regulation;

'CEO' for the purpose of correspondence means:

Manager Licensing (Greater Swan)
Department of Environment Regulation
PO Box 1693
BUNBURY WA 6231
Telephone: (08) 9725 4300
Facsimile: (08) 9725 4351
Email: grswanbunbury@der.wa.gov.au;

'code of practice for the storage and handling of dangerous goods' means document titled "Storage and handling of dangerous goods: Code of Practice" published by the Department of Mines and Petroleum, as amended from time to time;

'dangerous goods' has the meaning defined in the *Dangerous Goods Safety (Storage and Handling of Non-explosives) Regulations 2007*;

'environmentally hazardous material' means material (either solid or liquid raw materials, materials in the process of manufacture, manufactured products, products used in the manufacturing process, by-products and waste) which if discharged into the environment from or within the premises may cause pollution or environmental harm. Note: Environmentally hazardous materials include dangerous goods where they are stored in quantities below placard quantities. The storage of dangerous goods above placard quantities is regulated by the Department of Mines and Petroleum;

'freeboard' means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

'fugitive emissions' means all emissions not arising from point sources identified in Section 2.5;



'lees' means the material which accumulates in the bottom of grape juice or wine fermentation tanks;

'Licence' means this Licence numbered L8222/2008/2 and issued under the Act;

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

'marc' means grape material (mainly skin, pulp and seeds) which is left over after grape crushing and pressing;

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

'NATA accredited' and **'NATA accreditation'** 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;

'NIMP' means a Nutrient Irrigation Management Plan which meets the requirements outlined in the Water and Rivers Commission Water Quality Protection Note titled "Nutrient and Irrigation Management Plans" dated July 2006;

'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;

'spot sample' means a discrete sample representative at the time and place at which the sample is taken; and

'mS/cm' means millisiemens per centimetre.

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 General conditions

1.2.1 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.

1.2.2 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.

1.2.3 The Licensee, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous substances are stored in accordance with the code of practice for the storage and handling of dangerous goods.

1.2.4 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials outside an engineered containment system.



1.2.5 The Licensee shall implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises.

1.3 Premises operation

1.3.1 The Licensee shall ensure that all wastewaters from alcoholic beverage manufacturing operations including wash down water, by-products wastewater and contaminated run-off are directed to a wastewater treatment system.

1.3.2 The Licensee shall ensure that waste material is only stored and/or treated within areas or compounds provided with the infrastructure detailed in Table 1.3.2.

Table 1.3.2: Containment infrastructure		
Storage vessel or compound	Material	Infrastructure requirements
Aeration lagoon	Wastewater	Synthetic lined to achieve permeability of less than 1×10^{-9} m/s
Reed bed system	Wastewater	Clay lined ponds separated by a permeable barrier of gravel and limestone

1.3.3 The Licensee shall ensure that where wastes produced on the Premises are not taken off-site for lawful use or disposal, they are managed in accordance with the requirements in Table 1.3.3.

Table 1.3.3: Management of Waste		
Waste type	Disposal strategy	Operational requirements
Treated wastewater	Irrigation	The Licensee shall ensure irrigation meets the following requirements: (a) irrigation does not occur in areas where the water table rises to within 2 m of the surface during the irrigation period; (b) no irrigation generated run-off, spray drift or discharge occurs beyond the boundary of the Premises; (c) no soil erosion occurs; and (d) vegetation cover is maintained over the wastewater irrigation areas.
Solid waste	Marc, lees, sludge and other organic solid wastes	Deposited directly into a truck for offsite disposal

1.3.4 The Licensee shall manage the aeration lagoon such that:
(a) overtopping of the lagoon does not occur;
(b) a freeboard at or greater than 300 mm is targeted;
(c) the integrity of the containment infrastructure is maintained; and
(d) vegetation and floating debris (emergent or otherwise) is prevented from encroaching onto pond surfaces or inner pond embankments.

1.3.5 The Licensee shall manage the wastewater storage tanks such that:
(a) overtopping of the wastewater treatment system does not occur;
(b) stormwater runoff is prevented from entering the wastewater treatment system; and
(c) there is no discernible seepage loss from the wastewater treatment system.



2 Emissions

2.1 General

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

2.2-2.4 Point source emissions to air, surface water and groundwater

There are no specified conditions relating to point source emissions to air, surface water or groundwater in this section.

2.5 Emissions to land

2.5.1 The Licensee shall ensure that where waste is emitted to land from the emission points in Table 2.5.1 it is done so in accordance with the conditions of this licence.

Table 2.5.1: Emissions to land

Emission point reference	Emission point reference on Premises map	Description	Source including abatement
L1	Irrigation area	Discharge from wastewater treatment system to on-site irrigation field	Treated wastewater from wastewater treatment system

2.5.2 The Licensee shall not cause or allow emissions to land greater than the limits listed in Table 2.5.2.

Table 2.5.2: Emission limits to land

Emission point reference	Parameter	Limit (including units)	Averaging period
L1	Load of total nitrogen	180 kg/ha/year	Annual
	Load of total phosphorus	20 kg/ha/year	Annual
	Load of biochemical oxygen demand (BOD)	30 kg/ha/day	Monthly

2.5.3 The Licensee shall target emissions to land at or below the levels specified in Table 2.5.3.

Table 2.5.3: Emission targets to land

Emission point reference	Parameter	Target (including units)	Averaging period
L1	BOD	50 mg/L	Spot sample
	Total suspended solids	80 mg/L	Spot sample

2.6-2.8 Fugitive emissions, odour and noise

There are no specified conditions relating to fugitive emissions, odour or noise in this section.



3 Monitoring

3.1 General monitoring

- 3.1.1 The licensee shall ensure that:
- (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10; and
 - (c) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in relevant table.
- 3.1.2 The Licensee shall ensure that monthly monitoring is undertaken at least 15 days apart.
- 3.1.3 The Licensee shall record production or throughput data and any other process parameters relevant to any monitoring 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.
- 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.

3.2-3.4 Monitoring of point source emissions to air, surface water and groundwater

There are no specified conditions relating to monitoring of point source emissions to air, surface water or groundwater in this section.

3.5 Monitoring of emissions to land

- 3.5.1 The Licensee shall undertake the monitoring in Table 3.5.1 according to the specifications in that table.

Table 3.5.1: Monitoring of emissions to land					
Emission point reference	Monitoring point reference	Parameter	Units	Averaging Period	Frequency
L1	M2 – Outflow from wastewater treatment system to irrigation	Volumetric flow rate (cumulative)	m ³ /day	Monthly	Continuous
		pH ¹	-	Spot sample ²	
		Electrical conductivity	mS/cm		
		Total nitrogen	mg/L		
		Total phosphorus			
		Total dissolved solids			
		Total suspended solids			
BOD					

Note 1: In-field non-NATA accredited analysis permitted.

Note 2: Samples shall not be collected during periods of low flow or if excessively diluted by stormwater.



3.6 Monitoring of inputs and outputs

3.6.1 The Licensee shall undertake the monitoring in Table 3.6.1 according to the specifications in that table.

Table 3.6.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
M1 - Wastewater directed to the wastewater treatment system	Volumetric flow rate (cumulative) ¹	m ³ /day	Monthly	Continuous

Note 1: The Licensee shall maintain an approved metering device for measuring the cumulative volume of wastewater directed to the wastewater treatment system

3.7 Process monitoring

There are no specified conditions relating to process monitoring in this section.

3.8-3.9 Ambient environmental quality and meteorological monitoring

There are no specified conditions relating to ambient environmental quality or meteorological monitoring in this section.



4 Improvements

- 4.1.1 The Licensee shall complete the improvements in Table 4.1.2 by the date of completion in Table 4.1.2.
- 4.1.2 The Licensee, for improvements not specifically requiring a written submission, shall write to the CEO stating whether and how the Licensee is compliant with the improvement within one week of the completion date specified in Table 4.1.2.

Table 4.1.2: Improvement program

Improvement reference	Improvement	Date of completion
IR1	The Licensee shall provide a Nutrient Irrigation Management Plan (NIMP).	Two months prior to any irrigation occurring on the Premises



5 Information

5.1 Records

- 5.1.1 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 5.1.1(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.
- 5.1.2 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.
- 5.1.3 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.
- 5.1.4 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.

5.2 Reporting

- 5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 62 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 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Table 3.5.1	Monitoring of emissions to land	LR1
	Volume of treated wastewater discharged to land	None specified
	Contaminant loading to land of parameters (kg/ha/yr for total nitrogen and phosphorus, kg/ha/day for BOD)	
Table 3.6.1	Monitoring of inputs and outputs	None specified
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2



- 5.2.2 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 and/or targets.

5.3 Notification

- 5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 5.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format or form²
2.1.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5 pm of the next working day Part B: As soon as practicable	N1
	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution		
2.5.3	Target exceedance	Within 7 working days of becoming aware of exceedance	ET1

Note 1: No notification requirement in the Licence shall negate the requirement to comply with s72 of the Act.

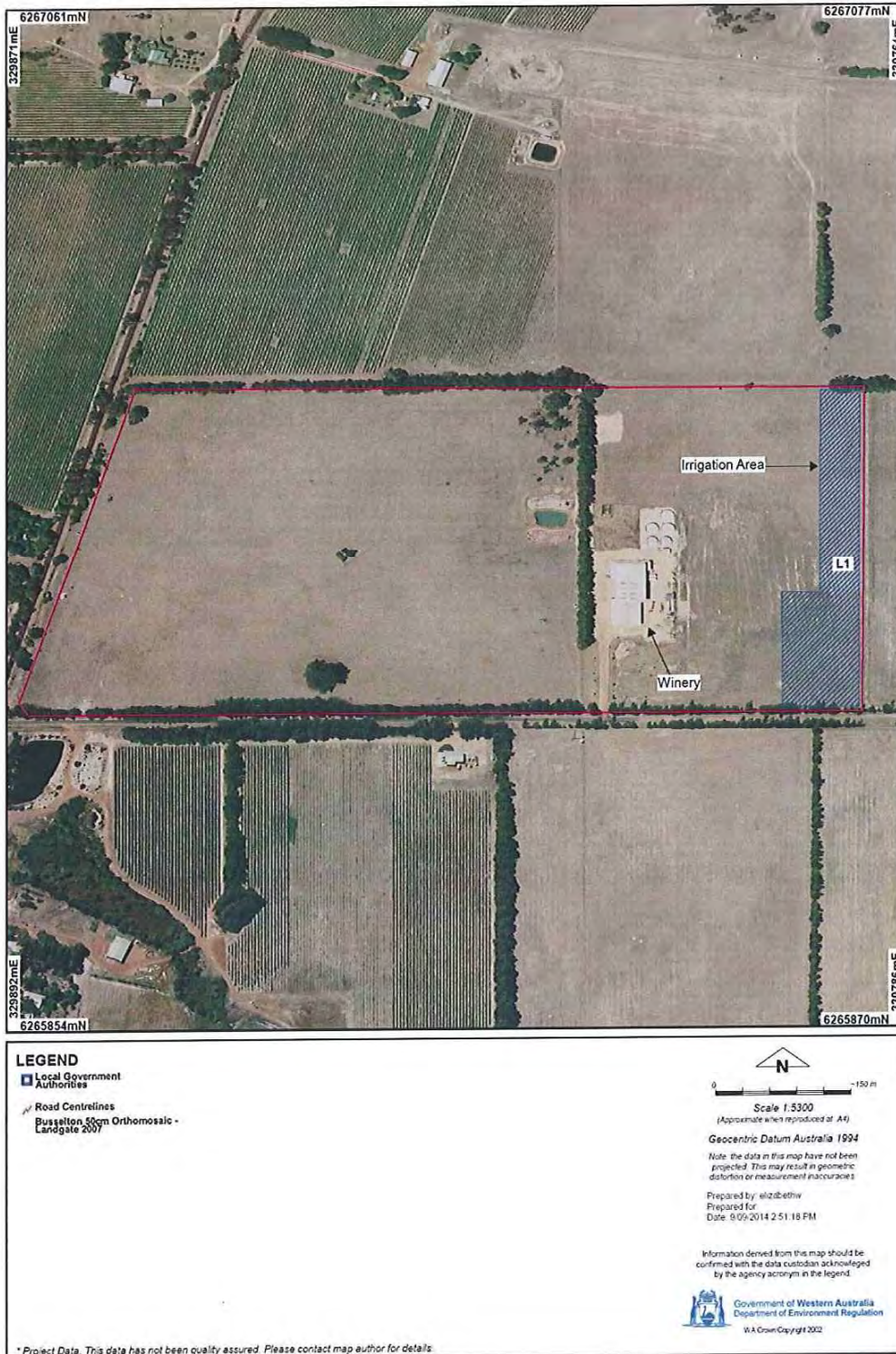
Note 2: Forms are in Schedule 2



Schedule 1: Maps

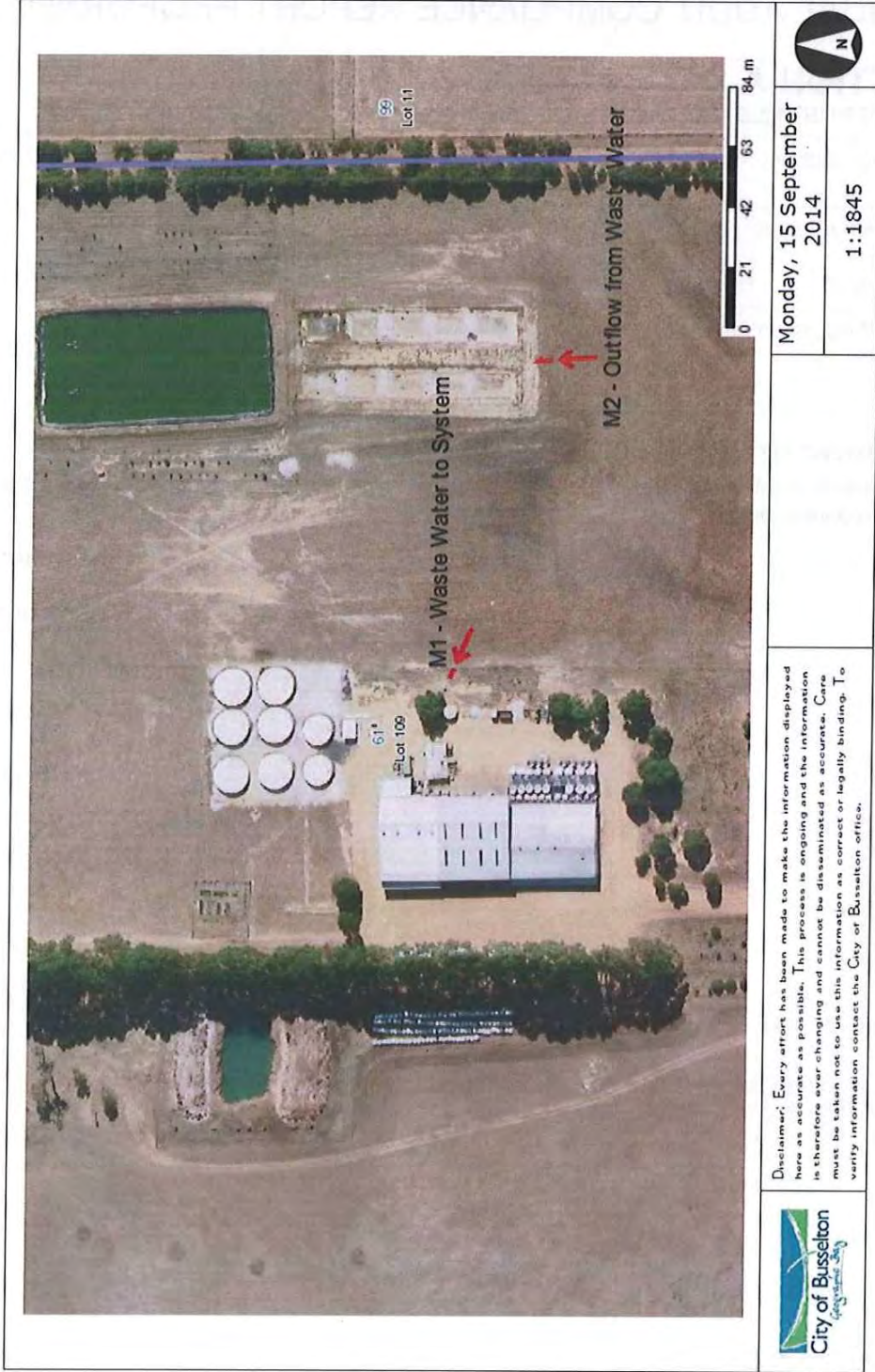
Premises map

The Premises and emission point defined in Tables 2.5.1, 2.5.2 and 2.5.3, are shown in the map below. The pink line depicts the Premises boundary.



Map of monitoring locations

The locations of the monitoring points defined in Tables 3.5.1 and 3.6.1 are shown 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.

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name:	ABN:
Trading as:	
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"/> No
<input type="checkbox"/> Reported to DER verbally Date _____	
<input type="checkbox"/> Reported to DER in writing Date _____	
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 noncompliance occurred (attach map or diagram):	
g) Cause of noncompliance:	
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 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 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: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____



Licence: L8222/2008/2 Licensee: Naturaliste Vintners Pty Ltd
 Form: LR1 Monitoring of emissions to land
 Name: Monitoring of emissions to land

Form LR1: Monitoring of emissions to land

Emission point	Parameter	Result	Units	Averaging Periods	Method	Sample date & times
L1	pH		-	Spot sample		
	Electrical Conductivity		mS/cm			
	Total Nitrogen		mg/L			
	Total Phosphorus		mg/L			
	Total Dissolved Solids		mg/L			
	Total Suspended Solids		mg/L			
	BOD		mg/L			

Signed on behalf of Naturaliste Vintners Pty Ltd: Date:



Licence: L8222/2008/2
Form: ET1
Name: Target exceedances

Licence: Naturaliste Vintners Pty Ltd
Period:

Form ET1: Target exceedances

Please provide an analysis of the target exceedances including but not limited to:

- (a) the monitoring results;
- (b) any mitigating circumstances that may have contributed to the result; and
- (c) any actions taken to avoid a reoccurrence.

Signed on behalf of Naturaliste Vintners Pty Ltd: Date:



Licence: L8222/2008/2
Form: N1

Licensee: Naturaliste Vintners 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	

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution	
Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken , or intended to be taken, to stop any emission	
Description of the failure or accident	



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 Naturaliste Vintners Pty Ltd	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Naturaliste Vintners Pty Ltd

Licence: L8222/2008/2

Registered office: 61 Hairpin Road
C/O Post Office
CARBUNUP RIVER WA 6280

ACN: 102 764 429

Premises address: Naturaliste Vintners
61 Hairpin Road
NORTH JINDONG WA 6280
Being Lot 109 on Plan 73361

Issue date: Thursday, 18 September 2014

Commencement date: Sunday, 28 September 2014

Expiry date: Tuesday, 27 September 2016

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.

Decision Document prepared by:

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Licensing Officer

Decision Document authorised by:

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Manager Licensing (Greater Swan)



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	9
6 Risk Assessment	10

1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

Works approval and licence conditions

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

Standard conditions (SC)

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

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

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

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

Optional standard conditions (OSC)

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

Non standard conditions (NSC)

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



2 Administrative summary

Administrative details									
Application type	Works Approval <input type="checkbox"/> New Licence <input checked="" type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/>								
Activities that cause the premises to become prescribed premises	<table border="1"> <thead> <tr> <th>Category number(s)</th> <th>Assessed design capacity</th> </tr> </thead> <tbody> <tr> <td>25 – Alcoholic beverage manufacturing</td> <td>1 260 kL per annum</td> </tr> <tr> <td>61 – Liquid waste facility</td> <td>1 000 kL per annum</td> </tr> <tr> <td></td> <td></td> </tr> </tbody> </table>	Category number(s)	Assessed design capacity	25 – Alcoholic beverage manufacturing	1 260 kL per annum	61 – Liquid waste facility	1 000 kL per annum		
	Category number(s)	Assessed design capacity							
	25 – Alcoholic beverage manufacturing	1 260 kL per annum							
61 – Liquid waste facility	1 000 kL per annum								
Application verified	Date: 24/06/2014								
Application fee paid	Date: 24/07/2014								
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> ?	<table border="1"> <tr> <td>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> <td>Referral decision No:</td> </tr> <tr> <td></td> <td>Managed under Part V <input type="checkbox"/></td> </tr> <tr> <td></td> <td>Assessed under Part IV <input type="checkbox"/></td> </tr> </table>	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"/>		
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?	<table border="1"> <tr> <td>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> <td>Ministerial statement No:</td> </tr> <tr> <td></td> <td>EPA Report No:</td> </tr> </table>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No:		EPA Report No:				
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 ₂ requirements of Kwinana EPP.								



3 Executive summary of proposal and assessment

Naturaliste Vintners Pty Ltd operates an alcoholic beverage operation (winery) with a maximum crush capacity of 1 800 tonnes/year of grapes producing up to 1 260 kL of wine. In the 2013-2014 annual period approximately 1 416 tonnes of grapes were crushed producing approximately 892 kL of wine. The premises was also designed to be able to accept wastewater (liquid waste) from other wineries; however, no liquid waste is currently accepted at the premises but may be accepted in the future. The winery is located on 30 ha of land on the corner of Bussell Highway and Hairpin Road, approximately 4 km south of the Carburnup River town site and approximately 230 km out of Perth.

The site is surrounded by similar agricultural based land-uses, including vineyards to the north, south and west, and grazing of cattle and sheep to the east and south. The nearest residence is a farmhouse approximately 1 km north-west of the winery.

There are no watercourses on the property but Island Brook is located approximately 500 metres to the east of the Premises boundary. Groundwater is approximately 2 metres below ground level.

Approximately 3 ML/year of wastewater is treated onsite at the wastewater treatment works. The treatment system consists of two 250 kL intermediate storage tanks where water is stored prior to discharging to a 2.7 ML HDPE lined lagoon fitted with two 12 kW aerators. The aerators are linked to a dissolved oxygen probe and operate automatically to maintain a dissolved oxygen concentration of 1.5 mg/L. From the lagoon, the wastewater is then directed via an overflow to a series of 10 shallow reed beds, designed to reduce BOD levels, and is the final treatment step prior to irrigation. The clay lined ponds are constructed in two rows and each pond is separated by a permeable barrier of gravel and limestone to allow water to flow from one pond to the next in series. The treated wastewater is discharged through irrigation onto an area of 2.0 ha of grass pasture.

Solids greater than 5 mm are screened by the placement of baskets in the drains throughout the winery. The sumps are periodically pumped out by a licensed controlled waste contractor for disposal at an appropriate facility. Marc and other organic solids are deposited directly into a truck and disposed of at a licensed composting facility.

The main discharge from the Premises is treated wastewater discharged to land. The wastewater treatment plant is designed to ensure irrigation to land does not exceed loading rates of nitrogen 180 kg/ha per year, phosphorus 20 kg/ha per year and BOD 30 kg/ha per day.

This licence is the successor to licence L8222/2008/1 and has been converted to REFIRE format with no reassessment of any discharges or emissions.



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	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	L1.2.5	OSC	Stormwater contaminated from winery and wastewater treatment activities leaving the premises during extreme rainfall events has not been reassessed as part of this reissue. OSC 1.2.5 has been included to replace condition 2 of the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i> <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Premises operation	L1.3.1 – 1.3.5	OSC	Contaminated wastewaters entering the environment from the operation of the winery, wastewater treatment and irrigation systems has not been reassessed as part of this reissue. OSCs 1.3.1 and 1.3.2 have been included to replace conditions 1 and 11 respectively of the previous licence. OSCs 1.3.3 and 1.3.4 have been included to replace conditions 9 and 3 respectively of the previous licence. OSC 1.3.5 has been included on the licence to cover management of the tanks and is included on most category 25 licences (that have tanks as part of their wastewater treatment system) as part of the REFIRE conversion program.	General provisions of the <i>Environmental Protection Act 1986</i> <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>



DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Emissions general	L2.1.1	OSC	Limits and targets will be set through conditions 2.5.2 and 2.5.3 of the licence and therefore OSC 2.1.1 regarding recording and investigation of exceedances of limits or targets has been included.	General provisions of the <i>Environmental Protection Act 1986</i>
Point source emissions to air including monitoring	N/A	N/A	There are no point source emissions to air from the premises.	
Point source emissions to surface water including monitoring	N/A	N/A	There are no point source emissions to surface water from the premises.	
Point source emissions to groundwater including monitoring	N/A	N/A	There are no point source emissions to groundwater from the premises.	
Emissions to land including monitoring	L2.5.1 – 2.5.3 L3.5.1	OSC OSC	Emissions to land have not been reassessed as part of this reissue. OSC 2.5.1 has been included to identify the irrigation area as the map in Attachment 2 – Location of premises did in the previous licence. OSC 2.5.2 has been included to replace condition 10 of the previous licence. OSC 2.5.3 has been included to replace part of condition 7(a) of the previous licence. OSC3.5.1 has been included to replace condition 12(a) and part of condition 6 of the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i>
Fugitive emissions	N/A	N/A	Fugitive emissions have not been reassessed as part of this reissue. As the previous licence did not impose any fugitive emission controls, no specified conditions have been included in this section. SC 1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i>



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Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Odour	N/A	N/A	Odour emissions have not been reassessed as part of this reissue. As the previous licence did not impose any odour emission controls, no specified conditions have been included in this section. SC 1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i>
Noise	N/A	N/A	Noise emissions have not been reassessed as part of this reissue. As the previous licence did not impose any noise emission controls, no specified conditions have been included in this section. The <i>Environmental Protection (Noise) Regulations 1997</i> and SC 1.2.1 apply.	<i>Environmental Protection (Noise) Regulations 1997</i> General provisions of the <i>Environmental Protection Act 1986</i>
Monitoring general	L3.1.1 – 3.1.5	OSC	Monitoring requirements have not been reassessed as part of this reissue. As monitoring of emissions to land are required (see Emissions to Land including monitoring section above), OSCs 3.1.1 to 3.1.5 are included as general monitoring conditions. Additionally, OSC 3.1.1 has been included to replace conditions 12(b) and 12(c) of the previous licence. OSC 3.1.2 has been included to support OSC 3.5.1 and 3.6.1 and replaces part of condition 6 in the previous licence. OSC 3.1.4 has been included to replace condition 5 of the previous licence. See emissions to land section and monitoring of inputs and outputs for further information.	General provisions of the <i>Environmental Protection Act 1986</i>
Monitoring of inputs and outputs	L3.6.1	OSC	Monitoring requirements have not been reassessed as part of this reissue. OSC 3.6.1 has been included to replace condition 4 of the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i>
Process monitoring	N/A	N/A	Monitoring requirements have not been reassessed as part of this reissue. As the previous licence did not require process monitoring no specified conditions have been included in this section.	
Ambient	N/A	N/A	Monitoring requirements have not been reassessed as part of this reissue. As	



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Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
quality monitoring			the previous licence did not require ambient quality monitoring no specified conditions have been included in this section.	
Meteorological monitoring	N/A	N/A	Monitoring requirements have not been reassessed as part of this reissue. As the previous licence did not require meteorological monitoring no specified conditions have been included in this section.	
Improvements	L4.1.1 – 4.1.2	OSC	OSC 4.1.1, OSC 4.1.2 and IR1 have been included to replace condition 8 of the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i>
Information	L5.1.1 – 5.1.4 L5.2.1 L5.2.2 L5.3.1	SC SC OSC OSC	SC 5.1.3 and 5.2.1 and OSC 5.2.2 have been included to replace conditions 14, 15 and part of 7(a) of the previous licence. OSC 5.3.1 and associated form ET1 have been included to replace condition 7(b) of the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i>
Licence Duration	N/A	N/A	This Licence is successor to Licence L8222/2008/1. As part of this reissue DER has converted the licence to a REFIRE format licence; however, DER has not reassessed the acceptability of impacts of emissions and discharges from the premises or revisited any existing emission control levels. This licence will be issued for a period of 2 years and it is expected a full assessment of the impacts of emissions and discharges from the premises will be completed in the future.	



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
04/08/2014	Application advertised in West Australian (or other relevant newspaper)	No comments received	
10/09/2014	Proponent sent a copy of draft instrument	Supplied map of monitoring points.	Included map in Schedule 1: Maps of licence.



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