



Amendment Notice 1

Licence Number	L8222/2008/2
Licence Holder	Naturaliste Vintners Pty Ltd
ACN	102 764 429
File Number:	2011/007369
Premises	Naturaliste Vintners 61 Hairpin Road NORTH JINDONG WA 6280 Legal description – Lot 109 on Plan 73361 Hairpin Road NORTH JINDONG WA 6280
Date of Amendment	6 September 2018

Amendment

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

Caron Goodbourn

A/Manager, Process Industries

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

Definitions and interpretation

Definitions

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

Table 1: Definitions

Term	Definition
AACR	Annual Audit Compliance Report
ACN	Australian Company Number
Amendment Notice	refers to this document
Category/ Categories/ Cat.	categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 33 Cloisters Square PERTH WA 6850 info@dwer.wa.gov.au
Delegated Officer	an officer under section 20 of the EP Act
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
EP Act	<i>Environmental Protection Act 1986 (WA)</i>
EP Noise Regulations	<i>Environmental Protection (Noise) Regulations 1997 (WA)</i>
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i>
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of and during this Review
HDPE	high-density polyethylene
Licence Holder	Naturaliste Vintners Pty Ltd
m ³	cubic metres
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Decision Report applies, as

	specified at the front of this Decision Report.
Risk Event	as described in <i>Guidance Statement: Risk Assessment</i>
RIWI Act	<i>Rights in Water and Irrigation Act 1914</i>

Amendment Notice

This amendment is made pursuant to section 59 of the *Environmental Protection Act 1986* (EP Act) to amend the Licence issued under the EP Act for a prescribed premises as set out below. This notice of amendment is given under section 59B(9) of the EP Act.

The following guidance statements have informed the decision made on this amendment:

- *Guidance Statement: Regulatory Principles* (July 2015);
- *Guidance Statement: Setting Conditions* (October 2015);
- *Guidance Statement: Decision Making* (February 2017);
- *Guidance Statement: Risk Assessment* (February 2017); and
- *Guidance Statement: Environmental Siting* (November 2016).

Amendment description

Naturaliste Vintners Pty Ltd (the Licence Holder) currently operate an alcoholic beverage operation (winery) at Lot 109 Hairpin Road, North Jindong under Licence L8222/2008/2.

The Licence Holder has applied for the following changes to the Existing Licence:

- replace the two existing 250,000 L storage tanks with three 60,000 L sludge settling tanks;
- allow for the drying of sludge from the storage tanks in the existing reed beds;
- remove all conditions relating to the irrigation of treated wastewater; and
- retain the option to accept liquid waste (liquid winery waste) at the premises.

This Amendment Notice assesses the risk of the above amendments only, explained in further detail below, and does not review any other conditions of the Existing Licence.

It is noted that the Premises is not prescribed under category 25 as no discharge has or will occur onto land or into waters. The Existing Licence also includes category 61; however, no liquid waste has ever been and is not intended in the short to medium term to be received at the Premises. However, the Licence Holder has requested to remain prescribed under categories 25 and 61.

Replacement of tanks

Wastewater is currently stored in two 250,000 L storage tanks prior to being gravity fed to a 2.7 ML HDPE lined aeration lagoon which can then overflow to a reed bed system. See Figure 1 for a wastewater process flow diagram.

The tanks were initially installed in 2007; however, have now started to corrode and need replacing. The Licence Holder is proposing to replace the two existing tanks with three 60,000 L fibreglass tanks. The works will be completed during the winery off-season (mid to late 2018) with the wastewater being directed straight from the collection sump to the aeration lagoon during replacement of the tanks. Following replacement, the wastewater process will resume as per Figure 1.

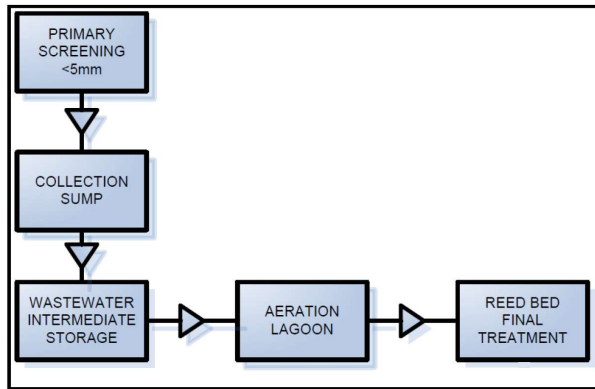


Figure 1: Wastewater treatment flow diagram

Drying of sludge in existing reed beds

Prior to replacement of the two existing storage tanks, the Licence Holder is requesting to pump sludge from Storage Tank 1 (approximately 90 m³ (35% of its contents)) to the existing reed beds for drying during the summer months.

The existing reed beds are two rows of 5 shallow ponds with a collective total volume of 1.3 ML. The reed beds are lined with bentonite clay with each pond separated by a permeable barrier of gravel and limestone to allow water to flow from one bed to the next in series.

The aeration lagoon has a gravity overflow to the reed beds with the maximum overflow equating to approximately one reed bed. During winter the reed beds fill up approximately 25% capacity with rainwater.

Once the sludge is sufficiently dry, it will be removed to a solid waste treatment facility offsite.

The entire contents of Storage Tank 2 will be pumped to the aeration lagoon as there are negligible solids/sludge in this tank.

The Licence Holder is requesting to amend the following conditions:

- Table 1.3.2 – add sludge as a material able to be stored in the reed bed system; and
- Table 1.3.3 – allow for sludge to be dried in the reed bed system instead of only being deposited into a truck for offsite disposal.

Periodic removal of sludge

Due to the smaller tank volumes of the new tanks, the Licence Holder anticipates that the first and second proposed fibreglass tanks will need to have sludge removed approximately every 3 to 5 years.

The Licence Holder proposes to install a permanent sludge transfer line from the first sludge settling tank to the existing reed beds to be able to transfer and dry the sludge in the reed beds as required.

The Licence Holder is requesting to amend Table 1.3.2 and Table 1.3.3 as above.

Removal of conditions relating to irrigation of treated wastewater

The Licence Holder has requested to remove the conditions relating to the irrigation of treated wastewater. The original intent was to irrigate treated wastewater from the end of the reed beds; however, the Premises does not currently operate at design capacity and has not had to irrigate any wastewater as it has all been contained within the aeration lagoon and reed bed system.

Conditions relating to the irrigation of treated wastewater include: Condition 1.3.3, Condition 2.5.1, Condition 2.5.2, Condition 2.5.3, Condition 3.1.1, Condition 3.1.2, Condition 3.5.1, Condition 4.1.1 and 4.1.2, Condition 5.2.1 and Condition 5.3.1.

Acceptance of liquid waste

No liquid waste has ever been accepted at the Premises; however, the Licence Holder has confirmed that they want to retain the option to accept liquid winery waste at the premises.

Amendment history

Table 2 provides the amendment history for L8222/2008/2.

Table 2: Licence amendments

Instrument	Issued	Amendment
L8222/2008/2	6/09/2018	Amendment Notice 1 – replacement of wastewater storage tanks, drying of sludge in reed bed system, removal of conditions relating to irrigation of treated wastewater and administrative amendments

Location and receptors

The Premises is located on the Swan Coastal Plain approximately 19 km southwest of Busselton. The land is zoned agriculture under the City of Busselton's Town Planning Scheme No. 21. Surrounding land uses include agricultural bases land-uses including vineyards to the north, south and west and grazing of cattle and sheep to the east and south.

There are no watercourses on the property but Island Brook is located approximately 430 m to the east of the premises boundary.

Table 3 below lists the closest sensitive land uses to the prescribed premises which may be receptors relevant to the proposed amendment.

Table 3: Receptors and distance from premises

Residential and sensitive premises	Distance from Prescribed Premises
Rural residential premises (zoned agriculture under the City of Busselton's Town Planning scheme No. 21)	275 m and 335 m south of the premises boundary; 350 m and 390 m north of the premises boundary; 380 m northwest of the premises boundary; and 475 m and 610 m southwest of the premises boundary.

Table 4 below lists the closest environmental receptors to the Prescribed Premises which may be receptors relevant to the proposed amendment.

Table 4: Environmental receptors and distance from premises

Environmental receptors	Distance from Prescribed Premises
Geomorphic wetlands	Swan Coastal Plain – Semeniuk, Palusplain (seasonally waterlogged), flat, multiple use – located immediately southwest extending to 800 m south of the premises boundary. Swan Coastal Plain – Semeniuk, Floodplain (seasonally inundated), flat, conservation – located 450 m E of the premises boundary
Acid Sulfate Soil Risk	Moderate to low acid sulfate soil disturbance risk (<3m from surface)
Threatened Ecological Communities	Within the buffer area for Whicher Scarp Paluslope Wetlands, Priority 1. Buffer areas of the Federal Government Threatened Ecological

	Community <i>Banksia Woodlands of the Swan Coastal Plain</i> (BanksiaWld16165, BanksiaWld16161, BanksiaWld16162, BanksiaWld16163, BanksiaWld16159 and BanksiaWld16160) located 60 to 680 m south of the premises boundary.
Surface water – Island Brook (minor, non-perennial watercourse)	<p>Island Brook (minor, non-perennial watercourse) located 430 m east of the premises boundary. Island Brook terminates at the Caribunup River approximately 2 km downstream.</p> <p>The Caribunup River (minor, non-perennial watercourse) terminates at Geographe Bay approximately 9 km downstream.</p>
Groundwater	<p>The Premises is located within the Busselton-Capel Groundwater Area proclaimed under the <i>Rights in Water and Irrigation Act 1914</i> (RIWI Act).</p> <p>The Applicant has supplied that depth to groundwater is approximately 1 - 1.5 m below ground level.</p> <p>The Perth Groundwater Map shows that the groundwater salinity at the premises is 250 – 500 mg/L, which is considered fresh.</p>

Risk assessment

Table 5 and Table 6 below describe the Risk Events associated with the amendment consistent with the *Guidance Statement: Risk Assessments*. Both tables identify whether the emissions present a material risk to public health or the environment, requiring regulatory controls.

Table 5: Risk assessment for proposed amendments during construction

Risk Event					Consequence rating	Likelihood rating	Risk	Reasoning	
Source/Activities	Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts					
Category 25 (alcoholic beverage manufacturing) and category 61 (liquid waste facility)	Removal of existing tanks - management of wastewater	Unsettled wastewater (potentially containing chemicals and nutrients) entering aeration lagoon during replacement of tanks (bypassing tanks)	Groundwater beneath the premises	Infiltration to groundwater	Groundwater contamination	Slight	Unlikely	Low	<p>Prior to the removal of the existing tanks, the liquid contents of the tanks will be manually pumped to the existing 2.7 ML, HDPE lined aeration lagoon.</p> <p>During installation of the tanks, wastewater from the winery will be pumped directly to the lagoon, bypassing the settling tanks. Installation is expected to take approximately 5 days and will occur outside of vintage; therefore, the majority of wastewater will be stormwater and possibly washdown water.</p> <p>Due to the short duration of the installation of the tanks, that the winery will not be processing grapes during installation and the lagoon is HDPE lined, the Delegated Officer considers that there is a low risk of groundwater contamination from wastewater (potentially containing nutrients and chemicals).</p> <p>The wastewater storage tanks will be added to condition 1.3.2 of the Existing Licence to enable storage of wastewater in the three proposed 60,000 L fiberglass tanks.</p> <p>Additionally, Existing Licence condition 1.3.5 requires the Licence Holder to ensure the wastewater storage tanks are managed such that overtopping does not occur,</p>

									stormwater is prevented from entering the tanks and there is discernible seepage loss from the tanks.
	Removal of existing tanks – management of sludge	NA	NA	NA	NA	NA	NA	NA	See Periodic sludge removal from proposed tanks and drying in the reed beds section in Table 6 below.
	Removal of existing tanks and installation of proposed tanks	Noise	Rural residential premises approximately 275 m to 390 m south, north and northwest of the premises boundary.	Air / wind dispersion	Potential amenity impacts	Slight	Unlikely	Low	<p>The removal of the existing tanks and installation of the proposed tanks is expected to take no more than 5 days with works occurring between 8am and 5pm.</p> <p>The Delegated Officer considers that noise emissions from the removal of the existing tanks and installation of proposed tanks to be consistent with existing operations and are unlikely to increase as a result of construction works.</p> <p>The EP Noise Regulations apply to noise emissions.</p> <p>No additional Licence conditions are required and no further assessment is required.</p>

Table 6: Risk assessment for proposed amendments during operation

Risk Event		Potential emissions	Potential receptors	Potential pathway	Potential adverse impacts	Consequence rating	Likelihood rating	Risk	Reasoning
Source/Activities									
Category 25 (alcoholic beverage manufacturing) and category 61 (liquid waste facility)	Periodic sludge removal from proposed tanks and drying in the reed beds (including removal of	Nutrient rich sludge (and leachate) entering the environment	Island Brook located 430 m east of premises boundary	Direct discharge to land or surface water	Surface water pollution from nutrient rich sludge and leachate	Minor	Unlikely	Medium	See Decision section of this document for reasoning.
			Groundwater beneath the premises	Infiltration to groundwater	Groundwater pollution with nutrients				

	sludge from existing tanks for drying in the reed beds)	Odour	Rural residential premises approximately 275 m to 390 m south, north and northwest of the premises boundary.	Air / wind dispersion	Potential amenity impacts	Slight	Unlikely	Low	<p>The Delegated Officer considers the separation distance between the source and potential receptors is sufficient. There have been no complaints received by DWER relating to the premises in the last 10 years.</p> <p>General provisions of the EP Act make it an offence to cause or allow pollution, including odour, that unreasonably interferes with the health, welfare, convenience, comfort or amenity of any person.</p> <p>No further assessment required.</p>
	Removal of conditions relating to irrigation of treated wastewater	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<p>The Premises does not currently operate at design capacity and has not had to irrigate any wastewater as it has been contained within the aeration lagoon and final reed bed system.</p> <p>Conditions relating to the irrigation of treated wastewater, including monitoring, limits and targets, will be removed from the Existing Licence.</p> <p>If irrigation is required at a later date, the Licence Holder can apply for a licence amendment to include irrigation of treated wastewater on the Licence, prior to any irrigation occurring.</p>
Category 61 (liquid waste facility)	Acceptance of liquid waste	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<p>No liquid waste has been accepted at the Premises; however, the Licence Holder would like to retain the option to accept liquid winery waste at the premises.</p> <p>Category 61 is included on the Existing Licence; however, Condition 1.3.6 will be added to the</p>

									<p>Licence to clarify that only winery wastewater can be accepted at the Premises. A definition of winery wastewater will also be added to the Existing Licence.</p> <p>A total of 1,000 kL of winery wastewater is able to be accepted at the Premises per annual period. This amount is specified in the prescribed premises category table on the Existing Licence.</p> <p>Additionally, Conditions 3.6.1 and 5.2.1 will be amended to require the Licence Holder to monitor and report the amount of liquid waste received at the premises.</p>
DWER administrative amendments	Relating to the AACR	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<p>In May 2016 the Department revised and simplified the existing AACR form to enable more valuable reporting and to be consistent with reporting arrangements in other jurisdictions with the most up to date version of the form being available on DWERs website. Therefore, the following amendments were made to the Licence:</p> <ul style="list-style-type: none"> - removal of the AACR form in Schedule 2; - amended wording of condition 5.1.3, - amended condition 5.2.1 to refer to the approved form instead of AACR form; and - definitions for annual period, approved form and condition were added or amended.
	Relating to definitions	N/A	N/A	N/A	N/A	N/A	N/A	N/A	<p>Administrative amendments include:</p> <ul style="list-style-type: none"> - amending or adding definitions for CEO, Department and DWER.

Decision

Drying of nutrient rich sludge (and associated leachate) in the reed beds

The Delegated Officer has considered the capacity and construction of the reed beds and has determined that there will be low level impacts to surface water or groundwater from nutrient rich sludge, and associated leachate, drying in the reed beds. Therefore the Delegated Officer considers the consequence to be Minor.

Groundwater at the premises is approximately 1 – 1.5 m below ground level and Island Brook is located 430 m east of the premises boundary. There has been no irrigation of treated wastewater on the premises and the Licence Holder has requested to remove all conditions relating to the irrigation of treated wastewater. All wastewater is contained within the wastewater storage tanks, HDPE lined aeration lagoon and bentonite clay reed beds. Therefore, the Delegated Officer has determined that the likelihood of impacts from the drying of sludge in the reed beds on groundwater and surface water will probably not occur in most circumstances. Therefore, the Delegated Officer considers the likelihood to be Unlikely.

The overall rating for the risk of drying sludge in the reed beds causing adverse impacts on groundwater and surface water to be medium.

Existing Licence Conditions

Conditions 1.3.2 and 1.3.3 will be amended to allow sludge to be dried in the reed bed system.

Licence Holder's comments

The Licence Holder was provided with the draft Amendment Notice on 5 September 2018. Comments received from the Licence Holder have been considered by the Delegated Officer as shown in Appendix 2.

Amendment

1. Definitions of the Existing Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

'annual period' means a 12 month period commencing ~~the inclusive period from 1 July until 30 June in~~ of the immediately following year;

'approved form' means the AACR Form template approved by the CEO for use and available via DWER's external website;

'AS/NZS 5667.1' ~~means the Australian Standard AS/NS 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 Standards AS/NZS 5667.10 Water Quality – Sampling – Guidance on sampling of waste waters;~~

'CEO' means Chief Executive Officer of the Department of Water and Environmental Regulation;

'CEO' for the purposes 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;~~
Director General
Department Administering the Environmental Protection Act 1986
Locked Bag 33 Cloisters Square
PERTH WA 6850
info@dwer.wa.gov.au;

'Condition' means a condition to which this Licence is subject under s.62 of the EP Act.

'EP Act' means Environmental Protection Act 1986;

~~'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;~~

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

~~'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.~~

'winery wastewater' means wastewater from the winemaking process.

2. Condition 1.3.2 of the Licence is amended by the insertion of the red text shown in underline below:

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 <u>and sludge from the wastewater storage tanks</u>	Clay lined ponds separated by a permeable barrier of gravel and limestone
<u>Wastewater storage tanks</u>	<u>Wastewater</u>	<u>Three, 60,000 L fiberglass tanks</u>

3. Condition 1.3.3 of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

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 and dried sludge	Deposited directly into a truck for offsite disposal
	<u>Sludge from wastewater storage tanks</u>	<u>Stored in reed bed system for drying</u>

4. The Licence is amended by the insertion of the following Condition 1.3.6:

1.3.6 The Licensee must only accept onto the premises waste of a waste type, which does not exceed the corresponding rate at which waste is received, and which meets the corresponding acceptance specification set out in Table 1.3.6.

Table 1.3.6: Types of waste authorised to be accepted onto the premises		
Waste type	Rate at which waste is received	Acceptance specification
Winery wastewater	1,000 kilolitres per annual period	None specified

5. The Licence is amended by the deletion of the following Condition 2.1.1:

~~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.~~

6. The Licence is amended by the deletion of the following Condition 2.5.1:

~~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	Description	Source including abatement

	Premises map		
L1	Irrigation area	Discharge from wastewater treatment system to on-site irrigation field	Treated wastewater from wastewater treatment system

7. The Licence is amended by the deletion of the following Condition 2.5.2:

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

8. The Licence is amended by the deletion of the following Condition 2.5.3:

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

9. The Licence is amended by the deletion of the following Condition 3.1.1:

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.*

10. The Licence is amended by the deletion of the following Condition 3.1.2:

3.1.2 The Licensee shall ensure that monthly monitoring is undertaken at least 15 days apart.

11. The Licence is amended by the deletion of the following Condition 3.5.1:

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	Monthly while irrigating
		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.

12. Condition 1.3.2 of the Licence is amended by the insertion of the red text shown in underline below:

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
<u>Winery wastewater accepted at the premises</u>	<u>Volume</u>	<u>L</u>	<u>Monthly</u>	<u>Each batch received at the Premises</u>

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

13. The Licence is amended by the deletion of the following Condition 4.1.1:
- 4.1.1 *The Licensee shall complete the improvements in Table 4.1.2 by the date of completion in Table 4.1.2.*
14. The Licence is amended by the deletion of the following Condition 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.
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15. Condition 5.1.3 of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

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.~~

The Licensee must:

- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period; and
(b) prepare and submit to the CEO by no later than 62 days after the end of that annual period an Annual Audit Compliance Report in the approved form.

16. Condition 5.2.1 of the Licence is amended by the deletion of the text shown in strikethrough below and the insertion of the red text shown in underline below:

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
	Containment 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
	<u>Winery wastewater received at the premises</u>	<u>None specified</u>
5.1.3	Compliance	Annual Audit Compliance Report (AACR) <u>Approved form</u>
5.1.4	Complaints summary	None specified

Note 1: Forms are in Schedule 2

17. Condition 5.3.1 of the Licence is amended by the deletion of the text shown in strikethrough below:

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 3.5.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement¹	Format of form²
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 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.

18. The Premises Map in Schedule 1: Maps of the Existing Licence is replaced with the Premises Map in this Amendment Notice.
19. The Map of monitoring locations in Schedule 1: Maps of the Existing Licence is replaced with the Map of storage and monitoring locations in this Amendment Notice.
20. The Annual Audit Compliance Report Proforma in Schedule 2: Reporting and notification forms is deleted from the Existing Licence.
21. Form LR1 in Schedule 2: Reporting and notification forms is deleted from the Existing Licence.
22. Form ET1 in Schedule 2: Reporting and notification forms is deleted from the Existing Licence.

Premises Map

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



Map of storage and monitoring locations

The containment infrastructure defined in Table 1.3.2 and the monitoring point defined in Table 3.6.1 are shown below.



Appendix 1: Key documents

	Document title	In text ref	Availability
1.	Licence L8222/2008/2 – Naturaliste Vintners Pty Ltd	Existing Licence	accessed at www.dwer.wa.gov.au
2.	Licence Amendment application and supporting documentation	Application	DWER records (A1700414)
3.	Further supporting information for licence amendment application	Application	DWER records (A1709172)
4.	DWER, July 2015. <i>Guidance Statement: Regulatory principles</i> . Department of Water and Environmental Regulation, Perth.		accessed at www.dwer.wa.gov.au
5.	DWER, October 2015. <i>Guidance Statement: Setting conditions</i> . Department of Water and Environmental Regulation, Perth.		
6.	DWER, February 2017. <i>Guidance Statement: Risk Assessments</i> . Department of Water and Environmental Regulation, Perth.		
7.	DER, February 2017. <i>Guidance Statement: Decision Making</i> . Department of Water and Environmental Regulation, Perth.		
8.	DWER, November 2016. <i>Guidance Statement: Environmental Siting</i> . Department of Water and Environmental Regulation, Perth.		

Appendix 2: Summary of Licence Holder comments

The Licence Holder was provided with the draft Amendment Notice on 5 September 2018 for review and comment. The Licence Holder responded on 5 September 2018 waiving the remaining comment period. The following comments were received on the draft Amendment Notice.

Summary of Licence Holder comment	DWER response
During a phone conversation on 5 September 2018 with the Licence Holder, the Licence Holder commented that their Existing Licence is approved to accept 1,000 kL of liquid waste at the premises per annual period, instead of the 100 tonnes per annual period that was included in the proposed amendment notice.	This was an administrative error by DWER and the 100 tonnes has been changed to 1,000 kL per annual period as per the Existing Licence.