



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Summer Honey Pty Ltd

Licence: L8081/2006/3

Registered office: 433 Riverton Drive East
SHELLEY WA 6148

ACN: 141 184 947

Premises address: Willoughby Estate
Lot 42 South Coast Highway
HAY WA 6333
Being Lot 42 on Plan 93593

Issue date: Thursday, 17 March 2016

Commencement date: Tuesday, 22 March 2016

Expiry date: Thursday, 21 March 2019

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: Carmen Standing
Licensing Officer

Decision Document authorised by: Jonathan Bailes
Delegated Officer



Contents

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

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	Category number(s)	Assessed design capacity
	25	1,050kL per year
Application verified	Date: 22/01/2016	
Application fee paid	Date: 29/01/2016	
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	N/A	
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: N/A 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: N/A 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 checked="" type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		



3 Executive summary of proposal and assessment

Willoughby Estate is a winery and micro-brewery located in the Shire of Denmark in the Great Southern Region. Willoughby Estate is owned and operated by Summer Honey Pty Ltd. The winery has an estimated annual production design capacity of approximately 1,500 tonnes of grapes to produce around 1,050kL of wine. The winery was constructed in 1997 to provide a winemaking contract service for producers in the local area. Currently, no wine production is occurring on the premises. A micro-brewery was installed in 2011 and is currently producing around 30kL of beer per year.

The premises is located approximately 3.5km east of Denmark, in a predominately agricultural area. The closest residential area is around 0.6km to the west. The premises is situated within the Wilson Inlet Catchment, which is a sensitive estuarine system subject to eutrophication. The closest surface water feature is Wilson Inlet, approximately 1.6km south of the premises.

The main emissions during operation of the premises are liquid waste and solid (marc) waste. The processing of alcoholic beverages (wine and beer) occurs within a shed on a concrete hardstand area. Up to 2,500kL of wastewater per year is produced from the winery when operating at full production capacity. Around 60kL of wastewater per year is currently produced from the micro-brewing operation. Solid wastes (marc) is produced during winery operations which was historically stored in the plastic bins until removed offsite by a local contractor for composting. Solids wastes from the brewery operations include spent grain and husk material. Around 7t per year of solid waste is currently produced from brewing operations which is stored in bins until collected by farmers to be used as livestock feed.

Wastewater produced during operations is primarily from washout procedures. Wastewater enters open drains within the alcoholic beverage processing area and is gravity fed to two treatment ponds. Liquid waste is screened for solid material prior to entering a collection sump and then enters the first treatment pond via a 150mm PVC underground pipe. The first treatment pond allows settling of fine solids and utilises an aerobic treatment process to digest biological wastes in the wastewater. The pond is pH adjusted and has an aerator installed to enhance oxygen levels. Wastewater then flows to the second treatment pond which allows further biological treatment.

Currently, no irrigation to land of treated wastewater is occurring. The ponds are receiving small volumes of wastewater annually (~60kL) from the micro-brewery operations. DER conducted a premises inspection in October 2014 and identified some issues with the wastewater treatment system. The Licensee is currently investigating options for determining the permeability of the ponds and upgrading them.

Given the current non-operational status of the winery and the low risk posed by the micro-brewery, the licence has been reissued with an additional condition included requiring the Licensee to provide DER with six months' notice prior to recommencing wine making operations. A full premises review will occur prior to winemaking operations recommencing, or prior to the licence expiry.



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
Reporting conditions	Licence condition 8	A condition has been added to the licence requiring the Licensee to notify the CEO of DER six months in advance of recommencing wine-making operations. This will allow a review of the premises prior to any increase in alcoholic beverage production at the premises.	N/A
Licence Duration	N/A	The licence will be issued until 2019.	DER Guidance Statement: Licence Duration



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
08/02/2016	Application advertised in West Australian (or other relevant newspaper)	No comments received	No comments received

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