



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Serene Cove Pty Ltd

Licence: L8936/2015/1

Registered office: c/o McWhirter & Leong Pty Ltd
57 Fortune St
NARROGIN WA 6312

ACN: 078 557 918

Premises address: Katanning Plant Hire
Lot 896 Applin St
KATANNING WA 6317
Being Lot 896 on Plan 145805

Issue date: Thursday, 25 February 2016

Commencement date: Monday, 29 February 2016

Expiry date: Thursday, 28 February 2036

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:

Cassie Bell
Licensing Officer

Decision Document authorised by:

Caron Goodbourn
Delegated Officer



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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
	62	800 tonnes per year
Application verified	Date: 9/12/2015	
Application fee paid	Date: 17/12/2015	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:



Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input 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

Serene Cove Pty Ltd (SC) operates a waste transfer station at Lot 896 on Plan 145805 in Katanning. They have operated at the premises under the business name of Katanning Plant Hire (KPH) for a number of years; however the premises did not come to DER’s attention until 2015. SC submitted an application for licence in late 2015, for the regulation of any emissions from KPH.

The premises is located within an area zoned General Industrial; however is directly adjacent to a private property with Rural zoning to the east, currently used for livestock (sheep). The nearest residence is located on the property directly north of the premises, with the dwelling having a distance of just 25 metres from the northern premises boundary. There is also a minor non-perennial waterway running down the eastern boundary of the KPH premises. There are no records of threatened species or communities nearby to the premises and the premises is not located in a public drinking water source area.

Operations at KPH consist of the receipt of industrial solid waste skip bins (provided for hire by KPH) and unloading into a concrete walled bunker for sorting into categories for recycling or transfer to the Katanning landfill for disposal, as appropriate. The waste streams accepted at the premises for storage and eventual recycling (off-site) include:

- Scrap steel;
- Aluminium;
- Timber;
- Usable cardboard;
- Plastic film; and
- Bricks and concrete.

Cardboard is a major waste receipt (with up to 3 or 4 tonnes per week being received) and is baled using baling equipment inside the on-site 30m x 17m shed prior to being transferred to Perth for recycling. Some plastics (packaging and wrapping) are also compacted using equipment in the shed for transfer to Perth.

Residual wastes which are not suitable for recycling are temporarily stored and then transferred offsite to the local Katanning Shire Refuse Site (Class II putrescible landfill) – including tyres and other general wastes such as glass, plastics and putrescibles. E-waste is stored on site pending transport to Albany. Prior to transfer to the landfill, suitable wastes (e.g. mattresses, hard plastics, small pieces of furniture, fabric/rags, etc.) are fed into the mobile slow speed shredder located outdoors to reduce their volume and therefore minimise the potential transport footprint. There is some risk of noise and dust emissions occurring during the operation of the shredder.



KPH skip bins have clear signs on their bins prohibiting the receipt of oil, tyres or asbestos; however there is some residual risk that people using the bins may not follow these instructions. There are bins on the premises for tyres and asbestos should receipt inadvertently occur.

The maximum volume of waste expected to be able to be received on the premises is 800 tonnes per year. This is based on current receipts of 2 -3 skip bins per week containing 6m³ volume and (converting to, on average) 4 tonnes of waste, equating to a receipt of 400 – 625 tonnes per annum. A maximum capacity of 800 tonnes per annum has therefore been applied for to allow an extra 30% growth on current numbers. Shredding of waste through the slow-speed shredder are estimated to be 240 - 400 tonnes per annum, based on an average of 60% of the total incoming waste eventually going through the shredder.

The main environmental risks associated with KPH's operation are dust and noise. Additional information on DER's assessment of environmental risk is detailed in the Decision Table below.



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
Premises operation	L1.2.1 – 1.2.3	<p>Operation Conditions 1.2.1 and 1.2.2 have been added to specify the allowable wastes and quantities for receipt on the premises, and the actions required should a non-conforming waste type be inadvertently received (see Emissions to land and Fugitive emissions sections for details on the corresponding environmental risk assessment).</p> <p>Condition 1.2.3 has been added to specify various process limits for the activities on the premises (receipt, sorting, storage and processing). The process limits relate to commitments made in the licence application, and to the potential environmental risks (see the Emissions to land, Fugitive emissions, Noise and Odour sections for details on the relevant risks which have resulted in these conditions being set).</p>	
Emissions to land including monitoring	-	<p>Operation <u>Emission Description</u> <i>Emission:</i> Stormwater contaminated with leachate from the storage of mixed wastes (which may contain putrescible waste) in the concrete sorting bunker, or the inadvertent acceptance of inappropriate wastes for outdoor storage, such as wastes contaminated with heavy metals or other contaminants. Discharges of toxic leachate could also occur in the case that a fire erupts on the premises and tyres catch alight. <i>Impact:</i> Localised contamination of soil and potential secondary contamination of groundwater and the nearby minor perennial waterway which is likely to feed into the Blackwood Basin. Potential impacts on ecology of surface water from the addition of nutrients and heavy metals. <i>Controls:</i> Wastes received are largely from construction or industrial sites and contain</p>	



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		<p>very little highly putrid wastes (food waste from offices, etc.) with the majority of waste being cardboard, plastics, steel, aluminium and demolition waste. The sorting of wastes is a temporary process and results in the separation of waste types and removal of putrescible wastes off-site to the Katanning Shire Refuse Site, with the exception of cardboard which is baled inside the onsite shed for recycling in Perth. The sorting activities are undertaken in a concrete lined (three-sided) bunker to ensure that any leachate is not able to access the soil/groundwater. The premises is not located in a public drinking water source area. The proponent has signs on the skip bins prohibiting the disposal of waste oil and tyres within them.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Condition 1.2.1 (Premises operation section) has been included to limit the waste types able to be received at the premises to those proposed in the licence application – i.e. inert waste and putrescible waste. This condition also limits the annual total to 800 tonnes per annum as per the application, to ensure that the storage or sorting of wastes does not increase beyond the capacity of the sites infrastructure which could lead to storage/sorting occurring outside the concrete bunker.</p> <p>Condition 1.2.2 (Premises operation section) has been included on the licence specifying the need for a quarantined storage area for waste which does not meet the specifications in condition 1.2.1. Quarantined storage area is further defined as a hardstand storage area or sealed-bottom container.</p> <p>Condition 1.2.3 (Premises operation section) has been included containing the process limits for the processing of waste on site. A requirement is included for all waste being</p>	



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		<p>sorted to occur within a bunded hardstand area (i.e. the concrete bunker), and for putrescible waste to be transferred to a quarantined storage area for transfer offsite. A requirement is also included for cardboard to be baled and processed inside the on-site shed as this material is likely to break down quickly when exposed to external elements. The condition also limits the storage of tyres to no more than 100 at any one time and prohibits the burning of any waste materials on the premises, to ensure the risk of tyres catching alight is minimised.</p> <p>Condition 4.3.1 (Notification section) has been included on the licence requiring the Licensee to report any incidences of fire on the premises. A form is attached to the licence containing the information requirements in the case that a fire occurs.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Rare <i>Risk Rating:</i> Low</p>	
Fugitive emissions	-	<p>Operation <u>Emission Description</u> <i>Emission:</i> Windblown waste from the storing and sorting of mixed wastes on site which may contain light materials such as plastics, paper, cardboard, etc. <i>Impact:</i> Impacts on visual amenity for nearby land users and potential attraction of vermin if certain putrescible materials become windblown. <i>Controls:</i> All sorting activities occur within the concrete storage bunker. All wastes stored in external stockpiles thereafter are heavy in nature (i.e. steel, building rubble, wood), while light materials such as cardboard and light plastics are transferred to the shed for baling and compacting, respectively. A 1.8 m high concrete fence with chain mesh is being installed on the northern boundary, with the intent for this fence to eventually surround the whole site.</p>	



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		<p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Possible <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Condition 1.2.3 (Premises operation section) includes a requirement for windblown waste to be prevented from escaping the premises and for minimum weekly collections to occur where windblown waste is present within the premises.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p>	
Fugitive emissions	-	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Fugitive dust emissions from the operation of the shredder, sorting of mixed waste in the concrete bunker and stationery external storage of wastes (i.e. building rubble) on the premises. Minimal amounts of fugitive emissions may be generated by general vehicle and machinery movements on the premises. There is some risk of the inadvertent acceptance and handling of waste which contains asbestos or ACM within the skip bins and therefore some risk that asbestos could be mistaken within the waste sorting area and processed in the slow speed shredder.</p> <p><i>Impact:</i> Amenity impacts on nearby land users. Potential human health impacts to staff and nearby land users in the instance that asbestos, or any other potential toxic material is accepted and processed and dust is generated.</p> <p><i>Controls:</i> The proponent does not accept asbestos and clearly marks this on all skip bins. Incoming loads are visually inspected for any suspicious looking material which requires quarantine and transferral off the premises. Water sprays are installed on the</p>	Guidelines for managing asbestos at construction and demolition waste recycling facilities (DER 2012)



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		<p>waste sorting bunker and the shredder to minimise dust potential, and the shredder is only operated when the prevailing winds are from the north east (to prevent impacts on northern neighbours). The proponent is researching an enclosed pod bin for the temporary storage and transport of asbestos in case it is inadvertently received.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> Condition 1.2.1 (Premises operation section) includes the specification for waste containing asbestos or ACM not to be accepted, and caps total waste acceptance at 800 tonnes to ensure that acceptance does not expand over time beyond the capability of the site.</p> <p>Condition 1.2.2 (Premises operation section) requires the quarantining of wastes that do not comply with condition 1.2.1, and includes a further note specifying that such areas or containers for the storage of asbestos or ACM must be fully enclosed.</p> <p>Condition 1.2.3 (Premises operation section) contains the requirement for dust to be managed during the processing (shredding) of waste, using water sprays or other measures as appropriate to the meteorological conditions at the time). The condition also caps the total amount of waste allowed to be shredded to 480 tonnes per year as proposed.</p> <p>Condition 3.1.1 – 3.1.2 (Improvements section) have been included on the licence and include the requirement to develop an Asbestos Management Plan (AMP) in accordance with the DER Asbestos Guidelines. Although the premises does not intend to receive asbestos, there is residual risk that it may be inadvertently received and</p>	



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Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>processed and therefore the proponent should prepare a thorough AMP for their staff to operate in accordance with.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Moderate <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p>	
Odour	-	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Odour from the storage of mixed wastes, where they contain putrescible components. <i>Impact:</i> Potential amenity impacts to staff and nearby land users. <i>Controls:</i> The proponent does not receive odourous wastes (e.g. food wastes) with the majority of wastes coming from industrial premises and/or construction sites.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Condition 1.2.3 (Premises operation section) includes the requirement for putrescible wastes (apart from those intended to be received including light plastics, cardboard and wood) to be transferred to a quarantined area for transfer offsite as soon as practicable. Given the low risk of odour it is considered that any further issues which may arise relating to odour can be dealt with under the general provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><u>Residual Risk</u></p>	<p>General provisions of the <i>Environmental Protection Act 1986</i></p>



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		<p><i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low</p>	
Noise	-	<p>Operation <u>Emission Description</u> <i>Emission:</i> Noise emissions from general machinery and vehicle movements on the premises, and from the operation of the cardboard balers, plastics compactor and waste shredder. <i>Impact:</i> Amenity issues for nearby land users. The nearest residential dwelling is only 25 metres from the northern premises boundary. <i>Controls:</i> Baling of cardboard and compacting of light plastics is undertaken inside an enclosed shed on the premises. Noise from the externally located slow speed shredder is dependent on the material being shredded, as operation of the engine alone is quiet. Tough materials such as scrap metal and wood are set aside for storage and not processed through the shredder. Due to the low capacity for waste receivals, the shredder is only operated once every 2 – 3 months for a few hours at a time. There are no noise complaints on DER record regarding this premises.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Possible <i>Risk Rating:</i> Low</p> <p><u>Regulatory Controls</u> Condition1.2.3 (Premises operation section) includes a requirement for the shredder to operate during daylight hours Monday – Saturday only. As the actual noise levels are unknown and are dependent on the materials being processed, the restriction of noise to these hours which have the highest allowable levels under the <i>Environmental Protection (Noise) Regulations 1997</i> is considered to be a suitable precautionary</p>	<i>Environmental Protection (Noise) Regulations 1997</i>



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Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		measure. If further noise issues are to eventuate despite this, they can be regulated using the noise regulations. <u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Low	
Monitoring of inputs and outputs	L2.1.1	Operation Condition 2.1.1 has been included for the monitoring of wastes received and sent off the premises. This will enable DER to monitor operations and ensure they are within the approved levels.	
Process monitoring	L2.2.1	Operation Condition 2.2.1 has been included for the monitoring of wastes processed via shredding. This will enable DER to monitor operations and ensure they are within the approved levels.	
Improvements	L3.1.1 – 3.1.2	Operation Condition 3.1.1 – 3.1.2 have been included on the licence and include the requirement to develop an Asbestos Management Plan (AMP) in accordance with the DER Asbestos Guidelines. Although the premises does not intend to receive asbestos, there is residual risk that it may be inadvertently received and processed (see Fugitive emissions section for risk assessment details) therefore the proponent should prepare a thorough AMP for their staff to operate in accordance with.	Guidelines for managing asbestos at construction and demolition waste recycling facilities (DER 2012)
Records	L4.1.1 – 4.1.3	Operation Conditions 4.1.1 – 4.1.3 have been included on the licence setting the general record requirements (legible, available on request), the need to complete the annual audit compliance report (AACR) and the need to maintain records of any complaints received.	
Reporting	L4.2.1	Operation Condition 4.2.1 has been included for the provision of an annual environmental report to DER, which reports on all monitoring required and provides the mechanism for	



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		submitting the AACR required under 4.1.2 and any complaints recorded under condition 4.1.3.	
Notification	L4.3.1	Operation Condition 4.3.1 has been included requiring the notification of any event of fire on the premises (see the Emissions to land section for details on risk assessment). A form is attached to the licence containing the information requirements in the case that a fire occurs.	
Licence Duration	-	The duration of the licence has been set at 20 years. The operations at the premises are not considered to have significantly high environmental risk and there are no known temporal restrictions imposed by other authorities (i.e. Shire of Katanning Planning Approval). It is therefore considered appropriate that the licence be issued for the maximum allowable period of 20 years, noting that should any unforeseen issues arise in the meantime, DER has the ability to review this determination via licence amendment or revocation if necessary.	Guidance Statement: Licence duration (DER 2015)



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
28/12/2015	Application advertised in West Australian (or other relevant newspaper)	Nil. A complaint was made about the advertisement being on a public holiday; however it is noted that the advertisement was also available on the DER website and back-copies of the West Australian can be obtained if required from either local newsagencies or directly from the West Australian.	Not applicable.
29/12/2015	Application referred to Shire of Katanning	DER was contacted by a consultant on behalf of the Shire of Katanning; however it was noted that as the application was for an existing facility (not a new activity) it was unlikely that the Shire of Katanning would have any comment or concern. Nothing further was received.	Not applicable.
16/02/2016	Proponent sent a copy of draft instrument	Applicant responded on 24/2/16 and requested that 'plastic film' be added to the list of wastes in the premises and executive summaries of both documents, and clarified that e-waste is not sent to the Katanning Refuse Site but rather is awaiting transfer to Albany when funding becomes available.	Plastic film added to list as requested. This waste was already mentioned further in but not given as a discrete example in the list so this has been changed in the premises and executive summaries of both documents. Clarification added in the premises and executive summaries of both documents that E-waste is awaiting transfer to Albany



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



Licence

Environmental Protection Act 1986, Part V

Licensee: Serene Cove Pty Ltd

Licence: L8936/2015/1

Registered office: c/o McWhirter & Leong Pty Ltd
 57 Fortune St
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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
62	Solid waste depot: premises on which waste is stored, or sorted, pending final disposal or re-use.	500 tonnes or more per year	800 tonnes per year

Conditions

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

Date signed: 25 February 2016

.....
Caron Goodbourn
 A/Manager Licensing – (Waste Industries)
 Officer delegated under section 20
 of the *Environmental Protection Act 1986*



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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

The Department of Environment Regulation (DER) is a government department for the state of Western Australia in the portfolio of the Minister for Environment. DER's purpose is to advise on and implement strategies for a healthy environment for the benefit of all current and future Western Australians.

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

Licence requirements

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

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

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

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

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

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



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

Licence fees

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

Ministerial conditions

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

Premises description and Licence summary

Serene Cove Pty Ltd (SC) operates a waste transfer station at Lot 896 on Plan 145805 in Katanning. They have operated at the premises under the business name of Katanning Plant Hire (KPH) for a number of years; however the premises did not come to DER's attention until 2015. SC submitted an application for licence in late 2015, for the regulation of any emissions from KPH.

Operations at KPH consist of the receipt of industrial solid waste skip bins (provided for hire by KPH) and unloading into a concrete walled bunker for sorting into categories for recycling or transfer to the Katanning landfill for disposal, as appropriate. The waste streams accepted at the premises for storage and eventual recycling (off-site) include:

- Scrap steel;
- Aluminium;
- Timber;
- Usable cardboard;
- Plastic film; and
- Bricks and concrete.

Cardboard is a major waste receipt (with up to 3 or 4 tonnes per week being received) and is baled using baling equipment inside the on-site 30m x 17m shed prior to being transferred to Perth for recycling. Some plastics (packaging and wrapping) are also compacted using equipment in the shed for transfer to Perth.

Residual wastes which are not suitable for recycling are temporarily stored and then transferred offsite to the local Katanning Refuse Site (Class II putrescible landfill) – including tyres and other general wastes such as glass, plastics and putrescibles. E-waste is stored on site pending transport to Albany. Prior to transfer to the landfill, suitable wastes (e.g. mattresses, hard plastics, small pieces of furniture, fabric/rags, etc.) are fed into the mobile slow speed shredder located outdoors to reduce their volume and therefore minimise the potential transport footprint. There is some risk of noise and dust emissions occurring during the operation of the shredder.

The maximum volume of waste expected to be able to be received on the premises is 800 tonnes per year. This is based on current receipts of 2 -3 skip bins per week containing 6m³ volume and (converting to, on average) 4 tonnes of waste, equating to a receipt of 400 – 625 tonnes per annum. A maximum capacity of 800 tonnes per annum has therefore been applied for to allow an extra 30% growth on current numbers. Shredding of waste through the slow-speed shredder are estimated to be 240 - 400 tonnes per annum, based on an average of 60% of the total incoming waste eventually going through the shredder.

This Licence is for the operation of an existing facility which was not established under a works approval.

The licences and works approvals issued for the Premises are:



Instrument log		
Instrument	Issued	Description
L8936/2015/1	25/02/2016	New licence (existing facility)

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*;

'ACM' means asbestos containing material and has the meaning defined in the Guidelines for Assessment, Remediation and Management of Asbestos Contaminated Sites, Western Australia, (DOH, 2009);

'annual period' means the inclusive period from 1 April until 31 March in the following year;

'asbestos' means the asbestiform variety of mineral silicates belonging to the serpentine or amphibole groups of rock-forming minerals and includes actinolite, amosite, anthophyllite, chrysolite, crocidolite, tremolite and any mixture containing 2 or more of those;

'averaging period' means the time over which a limit 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;

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au

'controlled waste' has the definition in *Environmental Protection (Controlled Waste) Regulations 2004*;



'DER Asbestos Guidelines' means the current version of the Guidelines for managing asbestos at construction and demolition waste recycling facilities as published by the Department of Environment and Conservation, Government Western Australia;

'hardstand' means a surface with a permeability of 10^{-9} metres/second or less;

'Inert Waste Type 1' has the meaning defined in Landfill Definitions;

'Inert Waste Type 2' has the meaning defined in Landfill Definitions;

'Landfill Definitions' means the document titled "Landfill Waste Classification and Waste Definitions 1996" published by the Chief Executive Officer of the Department of Environment as amended from time to time;

'leachate' means liquid released by or water that has percolated through waste and which contains some of its constituents;

'Licence' means this Licence numbered L8936/2015/1 and issued under the Act;

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

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

'Putrescible waste' has the meaning defined in Landfill Definitions;

'quarantined storage area or container' means a hardstand storage area or sealed-bottom container that is separate and isolated from authorised waste disposal areas and is capable of containing all non-conforming waste and its constituents, these areas must be clearly marked and their access restricted to authorised personnel;

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

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

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

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

1.2 Premises operation

1.2.1 The Licensee shall only accept waste onto the Premises if:

- (a) it is of a type listed in Table 1.2.1; and
- (b) the quantity accepted is below any quantity limit listed in Table 1.2.1; and
- (c) it meets any specification listed in Table 1.2.1.

Table 1.2.1: Waste acceptance		
Waste type	Quantity limit tonnes/ annual period	Specification¹
Inert Waste Type 1	800 tonnes	Waste containing visible asbestos or ACM shall not be accepted
Inert Waste Type 2		
Putrescible waste		

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.



1.2.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.2.1 it is stored in a quarantined storage area or container¹ and removed to an appropriately authorised facility as soon as practicable.

Note 1: Quarantine storage areas or containers used for the storage of asbestos or ACM must be sealed and enclosed on all sides with a lid or cover which prevents any dust escaping during storage or transfer.

1.2.3 The Licensee shall ensure that wastes accepted onto the Premises are only subjected to the process(es) set out in Table 1.2.2 and in accordance with any process limits described in that Table.

Table 1.2.2: Waste processing		
Waste type	Process(es)	Process limits¹
All approved waste types as defined in Table 1.2.1	Receipt, sorting and storage	<ul style="list-style-type: none"> (i) No more than 100 tyres are stored on the premises at any time; (ii) All waste being sorted is stored on a bunded hardstand area which is designed to prevent the discharge of any leachate to the environment; (iii) All putrescible waste² is moved to a quarantined storage area or container for removal to an appropriately authorised facility as soon as practicable; (iv) Burning of any material on the premises is prohibited; and (v) Windblown waste is prevented from escaping beyond the boundary of the premises, and windblown waste within the premises is collected and returned to the sorting area or quarantined storage area on a minimum weekly basis.
Inert Waste Type 1 and Putrescible waste	Processing	<ul style="list-style-type: none"> (i) No more than 480 tonnes of waste is processed through the shredder in any annual period; (ii) Visible dust emissions from the operation of the shredder are actively prevented from crossing the boundary of the premises (using water sprays and any other measures, as appropriate to the meteorological conditions at the time); (iii) Operation of the shredder only occurs within the hours of 0700 and 1900, Monday to Saturday; (iv) The baling of cardboard and compacting of plastics is only undertaken inside the Baling and compacting shed as depicted in the Premises Map in schedule 1;

Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

Note 2: With the exception of cardboard and packaging plastics (which are diverted to the shed for baling and compacting, respectively) and wood (which is allowed to be stockpiled externally).



2 Monitoring

2.1 Monitoring of inputs and outputs

2.1.1 The Licensee shall undertake the monitoring in Table 2.1.1 according to the specifications in that table.

Table 2.1.1: Monitoring of inputs and outputs

Input/output	Parameter	Units	Averaging period	Frequency
Waste types received on the premises as defined in Table 1.2.1	Volume and approximate weight	m ³ and tonnes	Monthly and annual total	Continuous (each load arriving at premises)
Wastes leaving the premises				

2.2 Process monitoring

2.2.1 The Licensee shall undertake the monitoring in Table 2.2.1 according to the specifications in that table.

Table 2.2.1: Process monitoring

Process description	Parameter	Units	Averaging period	Frequency
Compacting of plastics	Volume and approximate weight	m ³ and tonnes	Monthly and annual totals	Continuous

3 Improvements

3.1 Improvement program

3.1.1 The Licensee shall complete the improvements in Table 3.1.1 by the date of completion in Table 3.1.1.

3.1.2 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 3.1.1.

Table 3.1.1: Improvement program

Improvement reference	Improvement	Date of completion
IR1	<p>The Licensee shall prepare and submit to the CEO an Asbestos Management Plan (AMP). As a minimum the AMP shall include;</p> <ul style="list-style-type: none"> Standard operational procedures (SOP's) for the pre-acceptance and acceptance of waste and how any asbestos detected on site will be managed; and Identification of roles and responsibilities under the AMP (including specific staff member's roles); and Procedures for detailing incidents or emergencies associated with asbestos. <p>that are consistent with the DER Asbestos Guidelines.</p>	<p>Within 3 months of the issue date of this licence</p>



4 Information

4.1 Records

- 4.1.1 All information and records required by the Licence shall:
- (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) except for records listed in 4.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and
 - (d) for those following records, be retained until the expiry of the Licence and any subsequent licence:
 - (i) off-site environmental effects; or
 - (ii) matters which affect the condition of the land or waters.
- 4.1.2 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 4.1.3 The Licensee shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.

4.2 Reporting

- 4.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 28 calendar days after the end of the annual period. The report shall contain the information listed in Table 4.2.1 in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form ¹
-	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
2.1.1	Monitoring of inputs and outputs	None specified
2.2.1	Process monitoring	None specified
4.1.2	Compliance	Annual Audit Compliance Report (AACR)
4.1.3	Complaints summary	None specified

Note 1: Forms are in Schedule 2

4.3 Notification

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

Table 4.3.1: Notification requirements			
Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²
-	Fire on the premises	Part A: As soon as practicable but no later than 5pm of the next usual working day.	N1



		Part B: As soon as practicable.	
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Note 1: Notification requirements in the Licence shall not negate the requirement to comply with s72 of the Act

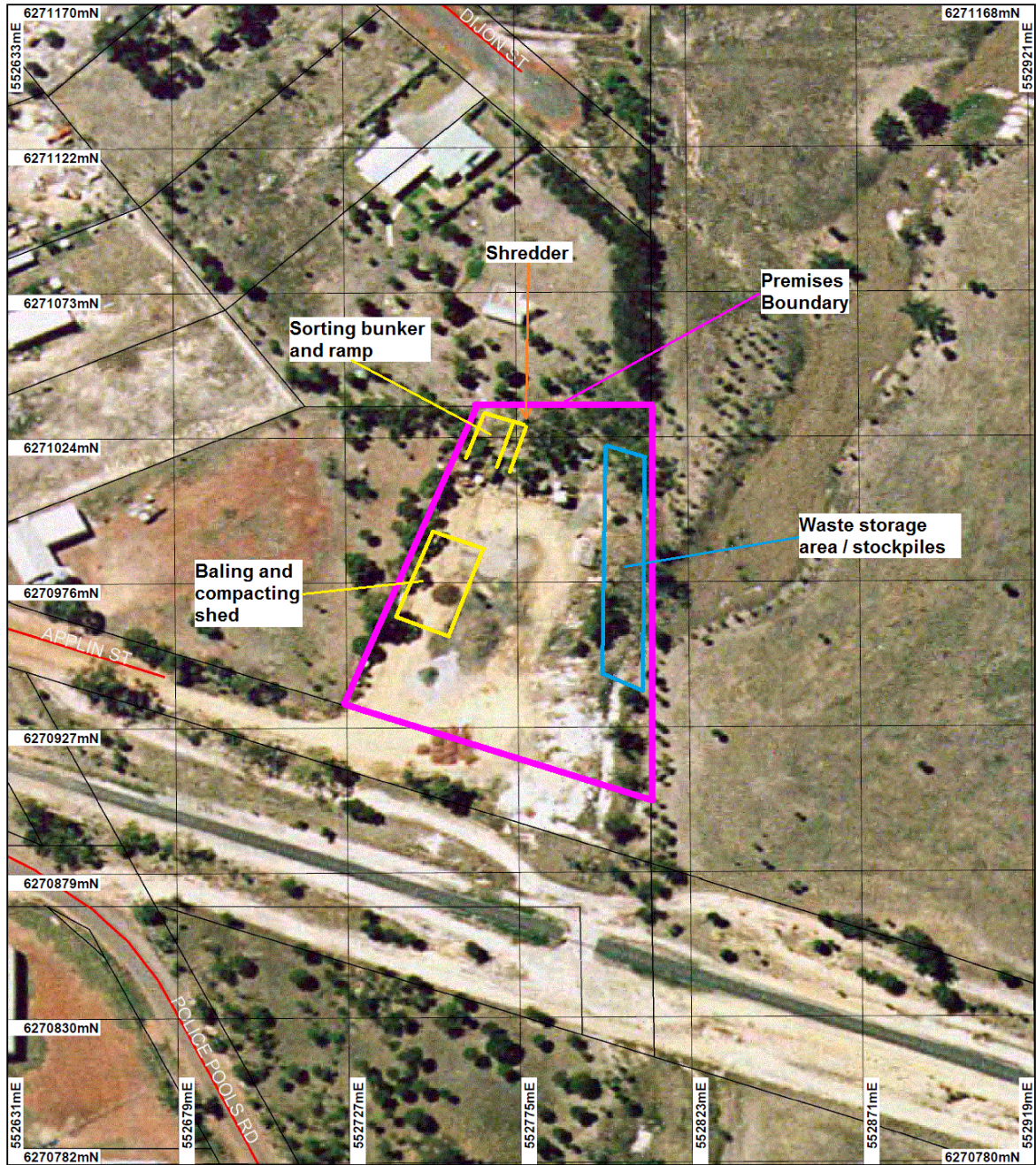
Note 2: Forms are in Schedule 2



Schedule 1: Maps

Premises map

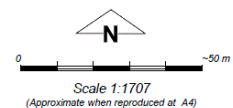
The Premises is shown in the map below. The pink line depicts the Premises boundary.



LEGEND

- | | |
|--------------------------------------------------------|------------------------------------------------------------------|
| <input type="checkbox"/> Cadastre | <input type="checkbox"/> Lease / Reserve |
| <input type="checkbox"/> Freehold | <input type="checkbox"/> Lease on State Forest / Timber Reserve |
| <input type="checkbox"/> Crown Reserve | <input type="checkbox"/> Public Roads |
| <input type="checkbox"/> State Forest / Timber Reserve | <input type="checkbox"/> Unallocated Crown Land |
| <input type="checkbox"/> Marine Park | <input type="checkbox"/> Water |
| <input type="checkbox"/> Crown Lease (cont) | <input checked="" type="checkbox"/> Local Government Authorities |

- | | |
|--|--------------------------------------------|
| | Road Centrelines |
| | Katanning 50cm Orthomosaic - Landgate 2006 |
| | Hydrography, linear |



Information derived from this map should be confirmed with the data custodian acknowledged by the agency acronym in the legend.



Government of Western Australia
Department of Environment Regulation
WA Crown Copyright 2002

Geocentric Datum Australia 1994
Note: the data in this map have not been projected. This may result in geometric distortion or measurement inaccuracies.

Prepared by: C. Bell
Prepared for:
Date: 9/02/2016 4:30:47 PM

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



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: Trading as:	ABN:
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

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

Yes Please proceed to Section C

No Please proceed to Section B

Each page must be initialled by the person(s) who signs Section C of this Annual Audit Compliance Report (AACR).

Initial:



SECTION C

SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report (AACR) may only be signed by a person(s) with legal authority to sign it. The ways in which the AACR must be signed and certified, and the people who may sign the statement, are set out below.

Please tick the box next to the category that describes how this AACR is being signed. If you are uncertain about who is entitled to sign or which category to tick, please contact the licensing officer for your premises.

If the licence holder is		The Annual Audit Compliance Report must be signed and certified:
An individual	<input type="checkbox"/> <input type="checkbox"/>	by the individual licence holder, or by a person approved in writing by the Chief Executive Officer of the Department of Environment Regulation to sign on the licensee's behalf.
A firm or other unincorporated company	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A corporation	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	by affixing the common seal of the licensee in accordance with the <i>Corporations Act 2001</i> ; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or by affixing the seal of the local government.

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

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

SIGNATURE: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____

SEAL (if signing under seal)



Licence: L8936/2015/1
 Form: N1

Licensee: Serene Cove Pty Ltd
 Date of breach:

Notification of detection of a fire on the premises.

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 incidents of landfill fire	
Date and time of event	
Description of where fire took place	
Materials burned/burning and associated substances potentially released	
Best estimate of the quantity of material burned/burning	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident which caused the event	



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 Serene Cove Pty Ltd	
Date	