



Government of Western Australia  
Department of Environment Regulation

Your ref: W5760/2014/1  
Our ref: DER2014/002825  
Enquiries: Lesley Hart  
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Michelle Dennis  
Development Services Coordinator  
Shire of Kojonup  
PO BOX 163  
KOJONUP WA 6395

Dear Ms Dennis

**ENVIRONMENTAL PROTECTION ACT 1986 – AMENDMENT TO WORKS APPROVAL**

**Works approval: W5760/2014/1**  
**Premises: Kojonup Saleyards & Truck Wash**

Further to my letter dated 21 April 2015, please find enclosed your amended *Environmental Protection Act 1986* works approval.

If you have any questions or objections relating to the works approval, please do not hesitate to contact the enquiries officer above on 9842 4553 for clarification or discussion of any grievances you have.

If you are concerned about, or object to any aspect of the amendment you may lodge an appeal with the Minister for the Environment within 21 days from the date on which this works approval is received. The Office of the Appeals Convenor can be contacted on 6467 5190 to find out the procedure and fee.

Members of the public may also appeal the amendments. The Appeals Registrar at the Office of the Appeals Convenor can be contacted after the closing date of appeals to check whether any appeals were received.

Yours sincerely,

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

30 April 2015

enc: Amended Works Approval



# Works Approval

## *Environmental Protection Act 1986, Part V*

**Works Approval Holder:** Shire of Kojonup

**Works Approval Number:** W5760/2014/1

**Registered office:** 93 Albany Highway  
KOJONUP WA 6395

**ACN:** N/A

**Premises address:** Kojonup Saleyards & Truck Wash  
Lot 3 Blackwood Road and Lot 1 Soldier Road  
KOJONUP WA 6395  
Being Lot 3 of Diagram 32301 and Lot 1 of Diagram 29828

**Issue date:** Thursday, 8 January 2015

**Commencement date:** Monday, 12 January 2015

**Expiry date:** Thursday, 11 January 2018

The following category/s from the *Environmental Protection Regulations 1987* cause this Premises to be a prescribed premises for the purposes of the *Environmental Protection Act 1986*:

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
55	Livestock saleyard or holding pen: premises on which live animals are held pending their sale, shipment or slaughter.	10 000 animals or more per year	More than 10 000 animals per year*

\* Exact approved premises production/design capacity is yet to be determined and is pending a full assessment of the premises via formal licence application. This premises has a maximum capacity to hold 8 000 animals at any one time.

### Conditions

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

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



# Works Approval Conditions

## 1 General

### 1.1 Interpretation

1.1.1 In the Works Approval, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Works Approval, unless the contrary intention appears:

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

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

**'CEO'** for the purpose of correspondence means;

Manager Licensing (Process Industries)  
Department of Environment Regulation  
Locked Bag 33  
CLOISTERS SQUARE WA 6850  
Telephone: (08) 9333 7510  
Facsimile: (08) 9333 7550  
Email: industry.regulation@der.wa.gov.au;

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

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

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

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

**'Schedule 1'** means Schedule 1 of this Works Approval unless otherwise stated;

**'Works Approval'** means this Works Approval numbered W5760/2014/1 and issued under the Act;

**'Works Approval Holder'** means the person or organisation named as the Works Approval Holder on page 1 of the Works Approval;

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





- 1.1.4 Any reference to a guideline or code of practice in the Works Approval means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guidelines or code of practice made during the term of this Works Approval.

## 1.2 General conditions

- 1.2.1 The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1.2.1:

Table 1.2.1: Construction Requirements <sup>1</sup>		
Document	Parts	Date of Document
Works Approval Application Form completed via DER's online Industry Licensing System	All	7 November 2014
"Works approval supporting documentation for two settling ponds at Kojonup Truck Wash" (Shire of Kojonup)	Pages 1-10 and Drawings and Appendices 1-5 & Appendix 7	18 November 2014
"Works Approval W5760/2014/1 – REQUEST FOR AMENDMENT" Shire of Kojonup	All	10/04/2015
Revised Settlement Pond Design drawings from Appendix 6 as follows: Layout Plan; Typical Pond Sections; and Typical Pond Details.	Appendix 6 revised design drawings	10/04/2015

Note 1: Where the details and commitments of the documents listed in condition 1.2.1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

- 1.2.2 The Works Approval Holder, except where storage is prescribed in section 1.3, shall ensure that environmentally hazardous materials are stored in accordance with the code of practice for the storage and handling of dangerous goods.
- 1.2.3 The Works Approval Holder shall install and maintain permanent markers along the boundary of the Premises so it can be identified on the ground.

## 1.3 Premises operation

There are no specified conditions relating to Premises operation in this section.

# 2 Emissions

## 2.1 General

There are no specified conditions relating to general emissions in this section.

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

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

## 2.5 Emissions to land

There are no specified conditions relating to emissions to land in this section.



## **2.6 Fugitive emissions**

- 2.6.1 The Works Approval Holder shall use all reasonable and practical measures to prevent and where that is not practicable to minimise dust emissions from the Premises.

## **2.7 Odour**

There are no specified conditions relating to odour in this section.

## **2.8 Noise**

There are no specified conditions relating to noise in this section.

# **3 Monitoring**

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

# **4 Improvements**

There are no specified conditions relating to improvements in this section.

# **5 Information**

## **5.1 Reporting**

- 5.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of the works and prior to commissioning of the same.

- 5.1.2 The compliance document shall:

- (a) Identify all key elements and hold points for the design and construction (as was proposed in the documentation detailed in Table 1.2.1) and a description of how each of these elements were addressed in the construction of the works;
- (b) include submission of final, as-constructed design drawings prepared by a draftsperson, that incorporate all design changes as approved in the amended Works Approval;
- (c) certify that the works were constructed in accordance with the conditions of the amended works approval; and
- (d) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.

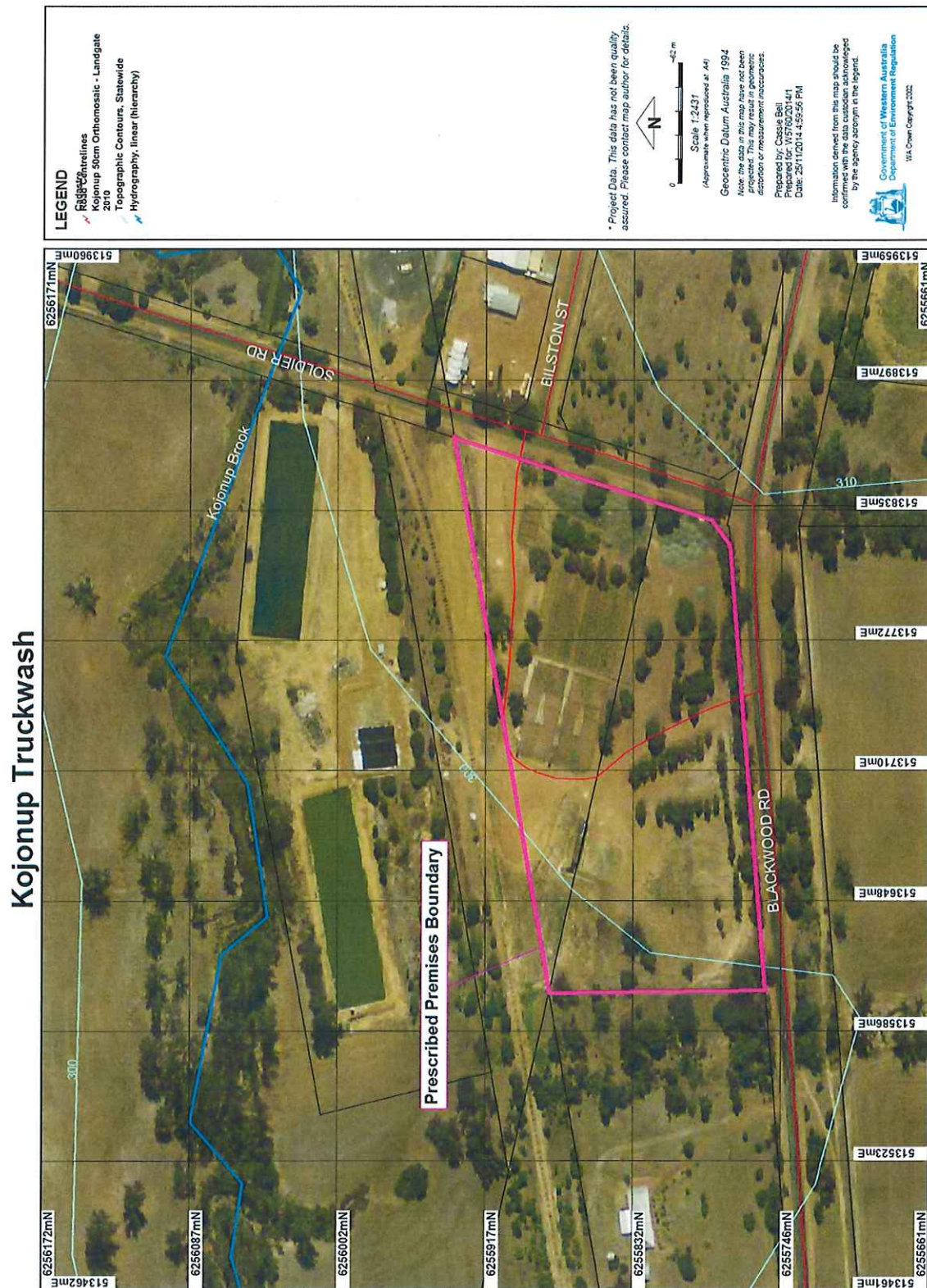




## Schedule 1: Maps

### Premises map

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





# Decision Document

## *Environmental Protection Act 1986, Part V*

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**Proponent:** Shire of Kojonup

**Works Approval:** W5760/2014/1

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**Registered office:** 93 Albany Highway  
KOJONUP WA 6395

**ACN:** N/A

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**Issue date:** Thursday, 8 January 2015

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**Expiry date:** Thursday, 11 January 2018

### Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), has decided to issue a works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations.

Decision Document prepared by:

Lesley Hart  
Licensing Officer

Decision Document authorised by:

Jonathan Bailes  
Manager Licensing, Process Industries





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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.

### Works approval and licence conditions

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

#### Standard conditions (SC)

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

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

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

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

#### Optional standard conditions (OSC)

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

#### Non standard conditions (NSC)

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





## 2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input checked="" type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)  55 – Livestock saleyard	Assessed design capacity More than 10 000 animals per year. (Exact capacity pending saleyards licence application assessment)
Application verified	Date: 20/11/2014	
Application fee paid	Date: 25/11/2014	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	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 checked="" type="checkbox"/> No <input type="checkbox"/> If Yes include details of which EPP(s) here. <i>South West Agricultural Zone (registered inland waters)</i>		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> <i>There is no alteration or discharge to waters associated with this proposal and the premises does not include any registered wetland or portion of a registered water body or watercourse relevant to the EPP.</i> If Yes, include details here, eg Site is subject to SO <sub>2</sub> requirements of Kwinana EPP.		



### 3 Executive summary of proposal and assessment

#### Background & Amendment

The Shire of Kojonup (The Shire) own a sheep saleyard and holding facility in Kojonup. The facility has a capacity to hold up to 8,000 sheep at any one time and is currently used up to four times per year for sales by independent selling agents, as well as being used as a temporary holding area by transporters and farmers in between sales.

The Shire provides a truck wash adjacent to the saleyards, which is available to all livestock transporters who obtain an "Avdata" key enabling access to the truck wash 24 hours per day. Wastewater from the truck wash is collected in a sump and then pumped through a screen and into a private sewer line, for which the Shire have an Industrial Waste Permit with Water Corporation. Solid wastes are currently stockpiled on site and are routinely removed by the local District High School for use in their operations (work farm, etc.).

The Shire requested an amendment to the Works Approval in April 2015 to allow for an increase to the width of the settling pond banks and minor changes to the ponds' location and plumbing installation. None of the proposed changes alter the volumetric capacity or functional design of the ponds and therefore no reassessment of emissions or discharges has been undertaken as part of this amendment.

#### DER licensing/approvals

The saleyards facility is not currently licensed by DER for emissions; despite having an animal holding capacity beyond the trigger level of 10 000 animals *per year* and therefore being a prescribed activity under category 55 of Schedule 1 of the *Environmental Protection Regulations 1987*. Despite the operation of the facility for at least 50 years, DER has only become aware of the capacity of the facility and the status of activities being prescribed, through contact with the Shire of Kojonup in 2014.

A licence may be required for emissions from the prescribed premises, should it continue to be operated. Additionally, while operational at the prescribed level, the premises will be subject to restrictions as to changes in accordance with section 53 of the *Environmental Protection Act 1986* and may therefore require a works approval for certain changes or upgrades to the premises.

This assessment relates to an application for a works approval for changes to the premises involving the installation of two settling ponds for the treatment of wastewater from the truck wash prior to discharge to the sewer. The premises is not yet licensed for normal operating emissions; however this will also be resolved in due course.

#### Premises Location

The truck wash and saleyards are located on two adjoining lots being, Lot 3 Blackwood Road and Lot 1 Soldier Road within the Kojonup town site. The premises is located within an existing Water Corporation odour buffer and the land is zoned "Public Purposes" in the Shire of Kojonup's Town Planning Scheme No. 3. The land is bordered by land zoned "Public Purposes", "Rural", "Industry" and "Recreation".

The truck wash is located approximately 100m south of the existing Water Corporation wastewater treatment ponds. There is a creek line approximately 60m west from the proposed ponds and approximately 150m north of the proposed ponds (on the other side of the waste water treatment ponds).

The nearest residence is located on adjacent Rural zoned land approximately 116m away from the proposed ponds and approximately 87.5m from the premises boundary. The next nearest sensitive receptor is a dwelling within the adjoining Industrial zoned area, approximately 250m from the premises boundary.





There are currently no groundwater bores on site or on adjoining land and no accurate information available on the level or condition of the groundwater under the site. The nearest Public Drinking Water Source Area (PDWSA) Katanning is located at least 40km north east of the site.

### Proposal

To assist to reduce the spikes in bacteriological loading at the wastewater treatment plant and to meet the trade waste discharge criteria issued by the Water Corporation, the Shire is proposing to install two settling ponds. The pre-treatment process will be as follows:

1. Effluent from the wash down ramp will be collected in the waste collector ramp with the lowest (northern) part being utilised as the pump sump
2. A coarse screen is in place between the ramp and sump
3. A transfer pump (automatic) lifts the effluent onto the contra-scar static "run down" effluent screen
4. The effluent screen separates the suspended solids
5. Suspended solids are deposited in a reinforced concrete solids discharge hopper, incorporating a drainage grate from which any excess seepage is returned to the pump sump. (Suspended solids are allowed to dry prior to disposal).
6. The screened effluent is conveyed to the settling ponds
7. The effluent will travel through the settling ponds and discharge into the Water Corporation's waste water treatment plant by gravity

From the Water Corporation Industrial Waste monitoring data (sampling/flow measurement) the suggested loading is 870mg/L BOD and 6.9 kL/d, annual averages. These waste volumes have been cross referenced with the truck wash water consumption charges obtained through user Avdata records. The ponds have been sized by Opus International Consultants, using the Mara method for pond mid-depth surface area with a mean average of 10 degrees for both ponds during winter.

The inlet to the ponds will incorporate manual gate valves. During the winter period (May to October) both ponds will be operated in parallel. In summer (assumed average temperature of 20°C) a single pond will be sufficient for average load, allowing a pond to be taken offline for de-sludging during summer. Access has been provided for which allows a bobcat or similar to be used to clean the ponds. It is proposed that the ponds will be fenced to prevent uncontrolled access and that there will be a visual layer before the liner to alert plant operators that they are approaching the liner during maintenance/cleaning. The ponds have been designed with an appropriate sized overflow with a freeboard level of 0.5m for each pond. Based on historical usage, the average total inflow is approximately 6kL/day. Each pond has a capacity of approximately 100kL (not including freeboard). With a design detention of 6 days, the inflow into a pond is approximately 18kL.

The rainfall on the pond plan area (i.e. rainfall captured within the ponds) and the truck wash bay area (i.e. hardstand areas) during a 1 in 10 year extreme rainfall event (40mm/hour) is approximately 10kL and 4kL respectively. This corresponds to an outlet rate (inflow and rainfall combined) of 5L/s; however the outlet pipe capacity is 50L/s and therefore is considered sufficiently sized to cater for a 1 in 10 year 24 hour storm event (i.e. 40mm/hour rainfall intensity). Based on the Shire of Kojonup's rainfall data from BOM and the Shire's waste volumes, there shall be sufficient short term (stormwater) and long term (waste) storage within the proposed two ponds.

A sample point and flow meter have been provided on the downstream side of the ponds to monitor water quality entering the Water Corporation system and also to measure volumes. The Shire has had clay from a nearby Shire site tested and received satisfactory plasticity results in keeping with the Department of Water's Water Quality Protection Note 27 *Liners for containing pollutants, using engineered soils* therefore a clay liner sourced from the nearby site will be used instead of a pre-made product.



## 4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE				
Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	W1.2.3	OSC	<p><b>Construction</b></p> <p>The premises boundary will follow the legal cadastre of Lot 3 Blackwood Road and Lot 1 Soldier Road; however the site as a whole is not expansive and has little buffer zone. As such it is considered appropriate to include the OSC W1.2.3 for the installation of permanent markers along the boundary so that it can be identified on the ground.</p>	Application supporting documentation
	L1.2.5	OSC	<p><b>Operation</b></p> <p><u>Emission Description</u>  <i>Emission:</i> Overflows from wastewater storage ponds and leachate generation and migration from the storage of sludges on site.  <i>Impact:</i> Potential contamination of surrounding soil, underlying groundwater and potentially also the nearby waterway in an extreme rainfall event.  <i>Controls:</i> Entire wastewater system will be imperviously lined. Ponds have been adequately sized using a water balance to ensure that they can handle an extreme stormwater event (1 in 10 years, 24 hour duration) and outlet pipe to sewer is also sized to cater for very high flows. Flow to the sewer will be gravity fed and therefore a freeboard automatically maintained at all times without relying on an electric pump. Pond sludge will be stored on an existing hardstand on site which drains to the truck wash sump, with bunds constructed on the hardstand through the current works approval.</p> <p><u>Risk Assessment</u>  <i>Consequence:</i> Minor</p>	<p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004;</i></p> <p>Application supporting documentation</p>



# DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Premises operation	N/A	N/A	<p><i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> OSC 1.2.5 is recommended for inclusion on the licence for the general management of stormwater and contaminated water on the premises. The condition will address other minor areas in which contamination could occur, e.g. unnecessary hydrological loading of the ponds with clean stormwater from surrounding areas.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Unlikely <i>Risk Rating:</i> Moderate</p>	
	Licence condition – number TBA	NSC	<p><b>Construction</b> There are no specific conditions proposed for the premises operation section of the works approval. It is considered that all areas of risk associated with the proposal are adequately managed through proposal design (i.e. works approval condition 1.2.1) and the conditions set in other sections of the works approval.</p> <p><b>Operation</b> <u>Emission Description</u> <i>Emission:</i> Overflows from wastewater storage ponds and leachate generation and migration from the storage of sludge on site. <i>Impact:</i> Potential contamination of surrounding soil, underlying groundwater and potentially also the nearby waterway in an extreme rainfall event. <i>Controls:</i> Entire wastewater system will be imperviously lined. Ponds have been adequately sized using a water balance to ensure that they can handle an extreme stormwater event (1 in 10 years, 24 hour duration) and outlet pipe to sewer is also sized to cater for very high flows. Flow to the sewer will be gravity fed and therefore a freeboard automatically maintained at all times without relying on an electric</p>	<p>Application supporting documentation</p> <p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004;</i>  Application supporting documentation</p>



# DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
			<p>pump. Pond sludge will be stored on an existing hardstand on site which drains to the truck wash sump, with bunds constructed on the hardstand through the current works approval.</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>  A NSC is recommended for the Premises operation section of the licence to specify the storage and management requirements for pond sludge to ensure that in practice it is only stored as proposed. It is not considered at this stage that any other specific operation conditions will be required resulting from this proposal (e.g. freeboard maintenance) due to the design of the system.</p> <p><u>Residual Risk</u>  <i>Consequence:</i> Minor  <i>Likelihood:</i> Unlikely  <i>Risk Rating:</i> Moderate</p>	
Emissions general	N/A	N/A	<p><b>Construction</b>  There are no planned emissions during construction. Therefore there are no general emissions conditions proposed for the works approval.</p>	
	L2.1.1	OSC	<p><b>Operation</b>  The addition of licence conditions for the general management of fugitive emissions and odour is recommended (see relevant sections below) as a result of this proposal. Accordingly, OSC 2.1.1 is also recommended for inclusion on the licence to ensure that exceedances of any of those <i>descriptive</i> limits are recorded and investigated.</p>	





# DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Point source emissions to air including monitoring	N/A	N/A	<b>Construction and Operation</b> There are no planned point source emissions to air during construction or operational phases of the proposal. The motor used to run the pump at the truck wash is electric. Therefore there are no conditions proposed for the works approval or licence to manage this risk.	
Point source emissions to surface water including monitoring	N/A	N/A	<b>Construction and Operation</b> There is no surface water within the premises or surface water off the premises which will receive discharges of waste as part of the construction or operational phases of the proposal. The proposed settling ponds will discharge directly to sewer. Therefore there are no conditions proposed for the works approval or licence to manage this risk.	<i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Point source emissions to groundwater including monitoring	N/A	N/A	<b>Construction and Operation</b> There is no planned discharge to groundwater during the construction or operational phases of the proposal. The proposed ponds will discharge directly to sewer. Therefore there are no conditions proposed for the works approval or licence to manage this risk.	
Emissions to land including monitoring	N/A	N/A	<b>Construction and Operation</b> There is no planned discharge to land during the construction or operational phases of the proposal. The proposed ponds will discharge directly to sewer and have been sized	<i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Fugitive emissions	W2.6.1	OSC	<b>Construction</b> <u>Emission Description</u> <i>Emission:</i> Fugitive dust from vehicle/equipment movements, excavation work relating to construction of ponds and engineering of the liners. <i>Impact:</i> Potential impacts on nearby neighbour (116 m from pond location), potential smothering of nearby native vegetation to the west and/or dust ingress into the creek. <i>Controls:</i> A water cart is available from the Shire depot to be used for dust suppression if required.	



# DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
			<p><u>Risk Assessment</u>  <i>Consequence:</i> Minor  <i>Likelihood:</i> Possible  <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u>            OSC W2.6.1 has been included on the works approval for taking all reasonable measures to avoid/minimise dust from the construction activities.</p> <p><u>Residual Risk</u>  <i>Consequence:</i> Minor  <i>Likelihood:</i> Possible  <i>Risk Rating:</i> Moderate</p>	
			<p><b>Operation</b>            There will be no fugitive dust or other fugitive emissions from the operation of the settling ponds. Accordingly, there are no conditions proposed resulting from this application.</p>	
			<p><b>Construction</b>            There is no odour associated with the construction of the settling ponds. Accordingly, no conditions for the management of odour are set on the works approval.</p>	
<b>Odour</b>	N/A	N/A		



## DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
	L2.7.1	OSC	<p><b>Operation</b></p> <p><u>Emission Description</u> <i>Emission:</i> Odour emanating from the ponds and/or any stored pond sludge (consisting of sheep manure, wool) following the cleanout of ponds in Summer. <i>Impact:</i> Nuisance to nearby residence (116m from facility). There is already a sewage treatment plant within close vicinity to the ponds, therefore odour emissions from both sources may combine and effectively exacerbate each other. <i>Controls:</i> In the event of unacceptable odour emissions from the ponds, an enzyme-based deodorising substance (such as Bio8) will be added to the ponds to maximise treatment. Any stored pond sludge causing a problem can be rapidly transferred to landfill, rather than waiting for pickup by local gardeners.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Possible <i>Risk Rating:</i> Moderate</p> <p><u>Regulatory Controls</u> OSC L2.7.1 will be added to the licence for the management of odour and requirement to ensure it does not unreasonably affect any person not on the premises.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Minor <i>Likelihood:</i> Minor <i>Risk Rating:</i> Moderate</p>	
Noise	N/A	N/A	<p><b>Construction</b></p> <p><u>Emission Description</u> <i>Emission:</i> Noise from the use of earthmoving equipment in construction works for</p>	<i>Environmental Protection (Noise)</i>





**DECISION TABLE**

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
			<p>the settling ponds. NB: the site will be classified as a "construction site" under the E.P. (Noise) Regulations (see right).</p> <p><i>Impact:</i> Nuisance to nearby residences (116m from facility).</p> <p><i>Controls:</i> The works approval holder commits in the application to limiting construction times and activities to hours and methods as prescribed in the E.P. (Noise) regulations, i.e. limiting hours to 07:00-17:00, using the quietest equipment reasonably available and adhering to AS 2436-2010.</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>            No conditions are proposed given the low risk of noise emissions from the construction activities. It is considered the EP (Noise) Regulations will suffice in regulating noise from the construction proposal.</p> <p><u>Residual Risk</u>  <i>Consequence:</i> Insignificant  <i>Likelihood:</i> Possible  <i>Risk Rating:</i> Low</p>	Regulations 1997
	N/A	N/A	<p><b>Operation</b>            There will be no additional noise from the premises as a result of the new ponds. The only source of noise will be a pump to transfer water from the truck wash into the ponds and this is already existing (currently transferring water from the truck wash to the sewer). Accordingly, no additional conditions are recommended on the licence relating to noise.</p>	Environmental Protection (Noise) Regulations 1997

# DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Monitoring general	N/A	N/A	<b>Construction and Operation</b> It is not considered that any technical monitoring will be required for the construction works, and as such there are no general monitoring conditions proposed for the works approval. In addition, as there are no discharges resulting from the alteration (new ponds), it is not considered that any technical monitoring will be required on the licence during operation.	
Monitoring of inputs and outputs	N/A	N/A	<b>Construction and Operation</b> It is not considered that any technical monitoring will be required for the construction works, and as such there are no monitoring conditions for inputs and outputs proposed for the works approval. In addition, as there are no discharges resulting from the alteration (new ponds), it is not considered that any technical monitoring will be required on the licence during operation.	
Process monitoring	N/A	N/A	<b>Construction and Operation</b> It is not considered that any technical monitoring will be required for the construction works, and as such there are no process monitoring conditions proposed for the works approval. In addition, as there are no discharges resulting from the alteration (new ponds), it is not considered that any technical monitoring will be required on the licence during operation.	
Ambient quality monitoring	N/A	N/A	<b>Construction and Operation</b> It is not considered that any ambient monitoring will be required for the construction works or operation, due to there being no planned discharges or significant risks of discharge which will affect the ambient environment directly related to the proposal.	
Meteorological monitoring	N/A	N/A	<b>Construction and Operation</b> It is not considered that any meteorological monitoring will be required for the construction works or operation, due to there being no planned discharges or significant risk of unplanned discharges likely to be influenced by meteorological conditions.	

# DECISION TABLE

Works Approval / Licence section	Condition number W = Works Approval L = Licence	OSC or NSC	Justification (including risk description & decision methodology where relevant)	Reference documents
Improvements	N/A	N/A	<b>Construction and Operation</b> There are no significant environmental risks requiring management through improvement conditions on the works approval or licence.	
Information	N/A	N/A	<b>Construction and Operation</b> There are no additional conditions proposed for reporting other than the SC W5.1.1 – 5.1.2 and SC L5.2.1 – 5.2.2 as a result of this proposal. SCW5.1.2 has been modified such that the compliance document also provides clarity that the elements of the construction are identified and certified.	
Licence Duration	N/A	N/A	<b>Construction and Operation</b> It is recommended that the Works Approval be issued for a duration of three years. No information in the application suggests that the approval should be extended beyond this default duration. Additionally, the proposal should not influence the duration of a licence issued in future for the operation of the site.	





## 5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
01/12/2014	Application advertised in West Australian (or other relevant newspaper)	None	NA
28/11/2014	Proponent sent a copy of draft instrument	Requested change to premises name from "Kojonup Trcuk Wash" to "Kojonup Saleyards & Truck Wash".	Premises name changed as requested.
21/04/2015	Proponent sent a copy of draft amended instrument	Reply received 28 April 2015 with no comments on amendments	NA

## 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
<b>Almost Certain</b>	<b>Moderate</b>	<b>High</b>	<b>High</b>	<b>Extreme</b>	<b>Extreme</b>
<b>Likely</b>	<b>Moderate</b>	<b>Moderate</b>	<b>High</b>	<b>High</b>	<b>Extreme</b>
<b>Possible</b>	<b>Low</b>	<b>Moderate</b>	<b>Moderate</b>	<b>High</b>	<b>Extreme</b>
<b>Unlikely</b>	<b>Low</b>	<b>Moderate</b>	<b>Moderate</b>	<b>Moderate</b>	<b>High</b>
<b>Rare</b>	<b>Low</b>	<b>Low</b>	<b>Moderate</b>	<b>Moderate</b>	<b>High</b>