



LICENCE FOR PRESCRIBED PREMISES

Environmental Protection Act 1986

LICENCE NUMBER: L6395/1993/16

FILE NUMBER: DER2015/000553

LICENSEE

Harvey Industries Group Pty Ltd
80 Birdwood Parade
DALKEITH WA 6009

PREMISES

Harvey Beef Abattoir
Lot 3 on Diagram 70328; Lot 113 on Plan 202106; Lots 115, 116, 117, 118 119, 142, 143, 145, 147, 149, 172, 173, 174, 175, 177, 200, 201, 202, 203, 204, 205, 228, 229, 230, 231 and 232 on Plan 2492; Lots 235 and 236 on Plan 29898; Lot 400 and 401 on Plan 302521
Seventh Street
HARVEY WA 6220 (as depicted in Attachment 1)

PRESCRIBED PREMISES CATEGORY

Schedule 1 of the *Environmental Protection Regulations 1987*

CATEGORY NUMBER	CATEGORY DESCRIPTION	CATEGORY PRODUCTION OR DESIGN CAPACITY	PREMISES PRODUCTION OR DESIGN CAPACITY
15	Abattoir	1 000 tonnes or more per year	220 000 tonnes per year
16	Rendering operation	100 tonnes or more per year	120 000 tonnes per year
55	Livestock saleyard or holding pen	10 000 animals or more per year	170 000 animals per year

CONDITIONS OF LICENCE

Subject to the conditions of licence set out in the attached pages.

Jonathan Bailes
Manager Licensing (Process Industries)
Officer delegated under Section 20
of the *Environmental Protection Act 1986*

ISSUE DATE Thursday, 10 September 2015
COMMENCEMENT DATE: Tuesday, 15 September 2015
EXPIRY DATE: Wednesday, 14 September 2016

CONDITIONS OF LICENCE

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DEFINITIONS

In these conditions of licence, unless inconsistent with the text or subject matter:

'APHA-AWWA-WEF' means American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF);

'AS/NZS' means the most recent version (unless otherwise stated) of the specified Australian and New Zealand Standard as jointly published by Standards Australia International Ltd, Sydney and Standards New Zealand, Wellington;

'AS/NZS 5667' means the most recent version and the relevant parts of the Australian and New Zealand series of guidance standards on Water Quality Sampling (see *also* AS/NZS);

'biofilter' means a filter system which uses micro-organisms to convert the organic compounds of a pollutant to carbon dioxide, water and salts;

'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;

'discernible' means capable of being seen, noticed or observed;

'freeboard' means the distance between the water level and the top edge of the wastewater storage pond;

'irrigation Area' means the area defined to which treated wastewater may be applied as depicted by the green lined in Attachment 1;

'licensee' means Harvey Industries Group Pty Ltd;

'NATA' means the Australian National Association of Testing Authorities;

'premises' means Lot 3 on Diagram 70328; Lot 113 on Plan 202106; Lots 115, 116, 117, 118, 119, 142, 143, 145, 147, 149, 172, 173, 174, 175, 177, 200, 201, 202, 203, 204, 205, 228, 229, 230, 231 and 232 on Plan 2492; Lots 235 and 236 on Plan 29898; Lot 400 and 401 on Plan 302521 Seventh Street, HARVEY as depicted by the pink line in Attachment 1; and

'Standard Methods for Examination of Water and Wastewater' means the most recent edition of the "Standard Methods for Examination of Water and Wastewater" as published by the American Public Health Association (APHA), the American Water Works Association (AWWA) and the Water Environment Federation (WEF), generally abbreviated to APHA-AWWA-WEF.

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RAW MATERIAL PROCESSING

- 1 The licensee shall ensure that all raw material accepted at the premises for rendering is stored within an enclosed building, vessel or tank, whilst awaiting processing.
- 2 The licensee shall ensure that all raw material accepted at the premises for rendering is introduced into the rendering cookers within fifteen (15) hours from the time of receipt.

RENDERING PLANT OPERATION

- 3 In the event of plant failure or breakdown of any part of the rendering plant process (e.g. cooker or blood drier) that is likely to immediately or subsequently lead to a change in emissions or discharges from the premises, the licensee shall immediately cease the addition of material into the following:
 - (i) rendering plant cooker(s);
 - (ii) meat milling area; and
 - (iii) blood drier.
- 4 In the event of plant failure or breakdown of any part of the rendering plant process (e.g. cooker or blood drier) for more than twenty-four (24) hours, and that is likely to increase discharges or emissions from the premises, the licensee shall:
 - (i) direct renderable material to another DEC licensed rendering facility;
 - (ii) direct the renderable material to a DEC licensed landfill site for disposal; and
 - (iii) advise the CEO in writing of the adopted option, prior to the renderable material leaving the premises.

DISCHARGE TO LAND

- 5 The licensee shall direct all process wastewater to the anaerobic pond as depicted by the blue line in Attachment 2.
- 6 The licensee shall direct all stormwater runoff from the lairage yard to the yard pond.
- 7 The licensee shall direct all treated wastewater from the RENOIR pond as depicted by the yellow line in Attachment 1 to the Irrigation Area OR the wastewater storage ponds as depicted by the orange lines in Attachment 2.

TREATED WASTEWATER DISCHARGE

- 8 The licensee shall manage the discharge of treated wastewater within the Irrigation Area, such that:
 - (i) wastewater is evenly distributed over the Irrigation Area;
 - (ii) no soil erosion or ponding of wastewater occurs;
 - (iii) there is no direct runoff, spray drift or discharge beyond the Irrigation Area;
 - (iv) healthy vegetation cover is maintained over the Irrigation Area;

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- (v) discharge does not occur during periods of rainfall or onto flooded area(s); and
- (vi) a minimum of twenty-eight (28) days between application of treated wastewater and the opening of stormwater release valves in bunded irrigation area(s).

NUTRIENT LOADING RATES

- 9 The licensee shall ensure the following nutrient loading rates are not exceeded within the Irrigation Area:
- (i) Total Nitrogen of 300 kilograms per hectare per year;
 - (ii) Total Phosphorus of 50 kilograms per hectare per year; and
 - (iii) Biochemical Oxygen Demand of 30 kilograms per hectare per day.

MAINTENANCE OF WASTEWATER STORAGE PONDS

- 10 The licensee shall manage all ponds used to hold treated or untreated wastewater on the premises such that:
- (i) stormwater runoff resulting from site drainage shall be prevented from entering the ponds or causing the erosion of the outer pond embankment;
 - (ii) overtopping of the ponds into the environment does not occur;
 - (iii) there is no Discernable seepage loss from the ponds;
 - (iv) vegetation and floating debris (emergent or otherwise) does not encroach onto pond surfaces or inner pond embankments;
 - (v) trapped overflows are maintained on the discharge from all ponds to prevent carry-over of surface floating matter to subsequent ponds;
 - (vi) a three-hundred (300) millimetre Freeboard is maintained at all times.

MONITORING CONDITIONS

FLOW MONITORING

- 11 The licensee shall maintain a sampling point and water flow meter at the locations listed in Column 2 of Table 1, such that:
- (i) the water flow metering device complies with AS3565 (for water meters) or AS3778 (for open channel flow devices);
 - (ii) water samples can be taken from the sampling points;
 - (iii) samples collected are representative of the wastewater being discharged; and
 - (iv) the sampling point and flow recorded output is accessible at all times to an Inspector.

Table 1: Sampling points at Harvey Beef Abattoir.

Column 1	Column 2
Ref	Sampling point location
DP1	RENOIR pond/storage pond no. 3 sump to irrigation site P3B
DP2	Storage pond no.6 to irrigation site P3B
DP3	Storage pond no.6 to irrigation site P6A

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- 12 The licensee shall, using the flow measuring devices required by condition 11, measure the monthly cumulative volume of treated wastewater (in cubic metres) discharged to the irrigation areas from irrigation pump stations P3B and P6A.
- 13 The licensee shall, at the frequencies stated in column 2 of Table 2, take and have analysed representative water samples for the parameters listed in column 3 of Table 2, from the corresponding monitoring site listed in column 1 of Table 2.

Table 2: Sampling and Monitoring Programme at Harvey Beef Abattoir.

Column 1	Column 2	Column 3
Sample point	Monitoring frequency	Parameter
Sample points P3B and P6A (as depicted in Attachment 2)	Monthly	pH, Total Dissolved Solids, Total Suspended Solids, 5-Day Biochemical Oxygen Demand, Total Nitrogen, Ammonium-nitrogen, Nitrate + Nitrite-nitrogen, Total Phosphorus.
	Annually (September)	Aluminium, Cadmium, Chlorine residuals, Boron, Copper, Lead, Mercury, Zinc.

- 14 The licensee shall ensure that all water samples are collected, handled and preserved in accordance with the relevant parts of AS/NZS 5667.
- 15 The licensee shall ensure that all water samples are analysed in accordance with the current "Standard Methods for Examination of Water and Wastewater," APHA-AWWA-WEF.
- 16 The licensee shall ensure all water samples are analysed in a laboratory holding NATA accreditation for the analyses specified in condition 13.

REPORTING CONDITIONS

- 17 The licensee shall:
- (i) inform the CEO in writing prior to taking a wastewater pond off-line for maintenance; and
 - (ii) inform the CEO in writing at least fourteen (14) days prior to the removal of sludge from a wastewater pond.
- 18 Subject to condition 21, the licensee shall:
- (i) store all removed sludge on a drying bed which is adequately bunded to prevent surface runoff of leachate from crossing the premises boundary and returns leachate from the drying bed back into the wastewater ponds; OR
 - (ii) store all removed sludge in a manner approved by the CEO; OR
 - (iii) dispose of all removed sludge off the premises.

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- 19 The licensee shall by 28 February in each year, provide to the CEO an Annual Environmental Report containing data collected during the period beginning 1 January the previous year and ending on 31 December in that year. The report shall contain, but not be limited to:
- (i) monitoring data and other collected data required by any condition of this licence (data should be provided in tables and in graphical format);
 - (ii) an assessment of the monitoring data and other collected data required by any condition of this licence in comparison with past monitoring data collected for the previous three (3) years;
 - (iii) a summary of the number and type of complaints received, nature of complaint (cross referenced with prevailing wind directions), and action taken;
 - (iv) any issues raised from inspections or incident responses during the reporting period together with details as to how these have been addressed / rectified or, if the required work has yet to be completed, how and when they will be completed / rectified; and
 - (v) any changes to site boundaries, location of groundwater monitoring bores, surface drainage channels and on-site or off-site impacts or pollution.

ANNUAL AUDIT COMPLIANCE REPORT

- 20 The licensee shall by 28 February in each year, provide to the CEO an Annual Audit Compliance Report in the form in Attachment 3 to this licence, signed and certified in the manner required by Section C of the form, indicating the extent to which the licensee has complied with the conditions of this licence, and any previous licence issued under Part V of the Act for the premises, during the period beginning 1 January the previous year and ending on 31 December in that year.

ATTACHMENT 1

LICENCE NUMBER: L6395/1993/16

FILE NUMBER: DER2015/000553

PLAN OF PREMISES



LEGEND

Bunbury 50cm Orthomosaic -
Landgate 2008



Scale 1:14000
(Approximate when reproduced at A4)

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: DER
Prepared for:
Date: 2/09/2015 11:25:21 AM

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



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

ISSUE DATE
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PPMS_T10140 v1.2

ATTACHMENT 2

LICENCE NUMBER: L6395/1993/16

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MONITORING LOCATIONS AND MAIN SITE FEATURES



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ATTACHMENT 3

LICENCE NUMBER: L6395/1993/16

FILE NUMBER: DER2015/000553

ANNUAL AUDIT COMPLIANCE REPORT

SECTION A

LICENCE DETAILS

Licence Number:	Licence File Number:
Company Name:	ABN:
Trading as:	
Reporting period: _____ to _____	

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

1. Were all conditions of 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 initialed by the person(s) who signs Section C of this annual audit compliance report

INITIAL: _____

ISSUE DATE Thursday, 10 September 2015
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ATTACHMENT 3

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SECTION B - DETAILS OF NON-COMPLIANCE WITH LICENCE CONDITION.

Please use a separate page for each licence condition that was not complied with.

a) Licence condition not complied with?	
b) Date(s) when the non compliance occurred, if applicable?	
c) Was this non compliance reported to DER?	
<input type="checkbox"/> Yes	<input type="checkbox"/> Reported to DER verbally Date _____
	<input type="checkbox"/> Reported to DER in writing Date _____
<input type="checkbox"/> No	
d) Has DER taken, or finalised any action in relation to the non compliance?	
e) Summary of particulars of non compliance, and what was the environmental impact?	
f) If relevant, the precise location where the non compliance occurred (attach map or diagram)	
g) Cause of non compliance	
h) Action taken or that will be taken to mitigate any adverse effects of the non compliance	
i) Action taken or that will be taken to prevent recurrence of the non compliance	

Each page must be initialed by the person(s) who signs Section C of this annual audit compliance report
INITIAL: _____

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SECTION C - SIGNATURE AND CERTIFICATION

This Annual Audit Compliance Report may only be signed by a person(s) with legal authority to sign it. The ways in which the Annual Audit Compliance Report 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 Annual Audit Compliance Report 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"/> by the individual licence holder, or <input type="checkbox"/> 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"/> by the principal executive officer of the licensee; or <input type="checkbox"/> 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"/> by affixing the common seal of the licensee in accordance with the Corporations Act 2001; or <input type="checkbox"/> by two directors of the licensee; or <input type="checkbox"/> by a director and a company secretary of the licensee, or <input type="checkbox"/> if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or <input type="checkbox"/> by the principal executive officer of the licensee; or <input type="checkbox"/> 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"/> by the principal executive officer of the licensee; or <input type="checkbox"/> 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"/> by the chief executive officer of the licensee; or <input type="checkbox"/> 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)

ISSUE DATE Thursday, 10 September 2015
COMMENCEMENT DATE: Tuesday, 15 September 2015
EXPIRY DATE: Wednesday, 14 September 2016



Decision Document

Environmental Protection Act 1986, Part V

Proponent: Harvey Industries Group Pty Ltd

Licence: L6395/1993/16

Registered office: 80 Birdwood Parade
DALKEITH WA 6009

ACN: 117 597 985

Premises address: Harvey Beef Abattoir
Lot 3 on Diagram 70328; Lot 113 on Plan 202106; Lots 115, 116, 117,
118 119, 142, 143, 145, 147, 149, 172, 173, 174, 175, 177, 200, 201,
202, 203, 204, 205, 228, 229, 230, 231 and 232 on Plan 2492; Lots 235
and 236 on Plan 29898; Lot 400 and 401 on Plan 302521
Seventh Street
HARVEY WA 6220

Issue date: Thursday, 10 September 2015

Commencement date: Tuesday, 15 September 2015

Expiry date: Wednesday, 14 September 2016

Decision

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

Decision Document prepared by: Elizabeth Whisson
Licensing Officer

Decision Document authorised by: Jonathan Bailes
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	<table border="1"> <thead> <tr> <th>Category number(s)</th> <th>Assessed design capacity</th> </tr> </thead> <tbody> <tr> <td>15 – Abattoir</td> <td>220 000 tonnes per annual period</td> </tr> <tr> <td>16 – Rendering operations</td> <td>120 000 tonnes per annual period</td> </tr> <tr> <td>55 – Livestock saleyard or holding pen</td> <td>170 000 animals per annual period</td> </tr> </tbody> </table>	Category number(s)	Assessed design capacity	15 – Abattoir	220 000 tonnes per annual period	16 – Rendering operations	120 000 tonnes per annual period	55 – Livestock saleyard or holding pen	170 000 animals per annual period
	Category number(s)	Assessed design capacity							
	15 – Abattoir	220 000 tonnes per annual period							
	16 – Rendering operations	120 000 tonnes per annual period							
55 – Livestock saleyard or holding pen	170 000 animals per annual period								
Application verified	Date: 27/07/2015								
Application fee paid	Date: 07/08/2015								
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 type="checkbox"/>								
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
Environmental Protection (Swan Coastal Plain Lakes) Policy 1992									
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>								
The Premises is located approximately 5.5 km E of the nearest area subject to the above EPP.									



3 Executive summary of proposal and assessment

The Harvey Industries Group Pty Ltd own the Harvey Beef Abattoir (Harvey Beef) which is a red meat abattoir situated approximately 1.5 km west of the western edge of the Harvey townsite and approximately 130 km south of Perth. Harvey Beef have held a licence since 1993. The premises covers 190 ha, most of which is pasture and other crops. The closest sensitive premises is a rural residence located approximately 500 m to the north-east of the process buildings. The Premises is also located approximately 1.5 km north of the main Harvey Diversion Drain and approximately 550 m south of the area protected under the Environmental Protection (Peel Inlet – Harvey Estuary) Policy 1992.

The livestock holding yards have the capacity to hold up to 170 000 animals per annual period with 140 000 animals anticipated in 2015/2016. The animals are transported by truck to the property via an entrance on Eighth Street and unloaded in the holding areas. Faecal material recovered from the lairage yards is taken offsite.

Animals are slaughtered and processed in the abattoir building which has a capacity to process up to 220 000 tonnes of beef per annual period. It is anticipated that in 2015/2016 80 000 tonnes of beef will be processed. Paunch (undigested stomach contents) and hides are taken off-site.

All renderable materials including offal and blood from the abattoir, and approximately 10 000 tonnes of renderable material sourced from offsite, are processed in the rendering plant at the premises. The rendering plant has a design capacity of 120 000 tonnes per annual period with 40 000 tonnes anticipated for the 2015/2016 period. Outputs from the rendering plant include approximately 15 000 tonnes of tallow and 16 000 tonnes of meatmeal. Odour emissions from the rendering facility are directed to one of two biofilters onsite before venting to atmosphere.

Wastewater generated from the slaughterfloor, boning room and rendering plant, along with some contribution from cleaning of chilling and freezing areas within the abattoir, is directed through primary (solids removal) and secondary (anaerobic and RENOIR (Removal of Nitrogen for Irrigation) ponds) wastewater treatment systems for removal of nutrients. Treated wastewater is then stored in evaporation ponds until it is used to irrigate pastures and crops on the premises as part of Harvey Beef's cropping program. Sludge wastes are currently removed offsite.

This Licence is successor to licence L6395/1993/15. As part of this reissue DER has not reassessed the acceptability or impacts of emissions and discharges from the Premises or revisited any existing emission control levels with the exception of dust and odour emissions. No changes to conditions on the previous licence have been made with the exception of the removal of generic fugitive dust and odour conditions and minor administrative changes. It is the intention of DER to reassess the acceptability or impacts of emissions and discharges from the Premises within the next 12 months.



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
Fugitive emissions	N/A	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Potential dust emissions from the unloading of cattle and vehicle movements onsite. <i>Impact:</i> Potential nuisance for neighbours. The closest sensitive premises to the livestock holding yards is a rural residence approximately 440 m WSW. The wind direction throughout the majority of the year in the morning is an easterly and ranges from westerly to southerly during the afternoon. The wind strength, on average, ranges from 9 to 20 km/hr throughout the year. <i>Controls:</i> The unloading and truck turn-a-round area is compacted gravel with the livestock holding yards concrete based. Most other trafficable areas associated with the abattoir and rendering facilities are sealed. No complaints relating to dust have been received.</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 specified conditions relating to fugitive emissions have been included in the licence as the trafficable areas and livestock holding yards are compacted or sealed and dust generation is expected to be minimal. Conditions 1 and 2 of the previous licence have been removed. The general provisions of the Environmental Protection Act are considered</p>	General provisions of the <i>Environmental Protection Act 1986</i> .



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p>sufficient to regulate the risk.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Possible <i>Risk Rating:</i> Low</p>	
Odour	N/A	<p>Operation</p> <p><u>Emission Description</u> <i>Emission:</i> Potential for odour from the abattoir, rendering operations, contra shear, save-all, yard pond and other wastewater treatment ponds. The most significant of these is the rendering operation which have been a source of community complaints in the past. <i>Impact:</i> Discharge of odour to the atmosphere outside the premises boundary causing amenity impacts in the nearby community (the nearest sensitive premises to the rendering operations is a rural residence 500 m NE and the Harvey town site is 1.5 km E). <i>Controls:</i> The abattoir and rendering operations are conducted within enclosed buildings with air extraction directing process gases to atmosphere via one of two biofilters. The biofilters are inspected for medium integrity, moisture and odour on a daily basis and maintained at a constant moisture content. Rendering material is kept within enclosed bins and processed within 15 hours. The rendering facility is checked for closed doors, odours and spills on a daily basis. The contra shear is inspected for functioning, spills and odour on a daily basis. The save-all is cleaned weekly and has daily checks for temperature, spills, functioning and odour. The Yard and Anaerobic ponds are maintained with a crust to minimise discharge of odour and are checked on a daily basis. The Licensee has committed to preparing an Odour Management Plan based on procedures currently implemented at the site.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Moderate</p>	<p>General provisions of the <i>Environmental Protection Act 1986</i></p> <p>Minutes of meeting held 26 August 2015</p>



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
		<p><i>Likelihood: Possible</i> <i>Risk Rating: Moderate</i></p> <p><u>Regulatory Controls</u> The main source of odour is the rendering operations; therefore, process limits have been retained in conditions 1 to 4 of the licence for the operation of the rendering plant. This includes that the rendering operation cease if there is a breakdown in pollution control equipment (with rendering material directed to another facility if necessary), requirement that rendering material is processed within a maximum time of 15 hours, and process gases from the rendering operations are ducted to biofilters prior to discharge to atmosphere. There have been no recent odour complaints. Considering the above and that Harvey Beef have committed to develop an Odour Management Plan which is expected to be implemented through a licence amendment within the next few months; conditions 3 and 4 of the previous licence have been removed. The general provisions of the Environmental Protection Act are considered sufficient to regulate the risk.</p> <p><u>Residual Risk</u> <i>Consequence: Moderate</i> <i>Likelihood: Possible</i> <i>Risk Rating: Moderate</i></p>	
Licence Duration	N/A	This Licence is successor to licence L6395/1993/15. As part of this reissue DER has not reassessed the acceptability or impacts of emissions and discharges from the Premises or revisited any existing emission control levels with the exception of dust and odour emissions. This Licence will be reissued for a period of 1 year with no changes to conditions on the previous licence made with the exception of the removal of dust and odour conditions and minor administrative changes such as updating contact details. It is the intention of DER to reassess the acceptability or impacts of emissions and discharges from the Premises within the next 12 months.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
17/08/2015	Application advertised in West Australian (or other relevant newspaper)	No comments received	N/A
08/09/2015	Proponent sent a copy of draft instrument	No comments	N/A



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