



Licence

Environmental Protection Act 1986, Part V

Licensee: Esperance Meat Exports Pty Ltd

Licence: L7294/1998/11

Registered office: Suite 1,
24 Leake Street
ESSENDON VIC 3040

ACN: 619 073 317

Premises address: Esperance Meat Exports
Lot 21 on Plan 180121 and Lot 1043 on Plan 152576
Coolgardie-Esperance Highway
MYRUP WA 6450 as depicted in Schedule 1

Issue date: Thursday, 16 October 2014

Commencement date: Saturday, 18 October 2014

Transfer Date: Friday, 3 November 2017

Expiry date: Sunday 17 October 2027

Prescribed Premises Category

Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved Premises production capacity
15	Abattoir: premises on which animals are slaughtered	1000 tonnes or more per year	Not more than 10,000 tonnes hot standard carcass weight per annual period
16	Rendering operations: premises on which substances from animal material are processed or extracted	100 tonnes or more per year	Not more than 10,000 tonnes per annual period
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	Not more than 300,000 animals per annual period
83	Fellmongering: premises on which animal skins or hides are dried, cured or stored	1000 skins or hides or more per year	Not more than 300 000 skins per annual period

Conditions

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

Date signed: 3 November 2017

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Paul Byrnes
Manager Licensing (Process Industries)
Officer delegated under section 20
of the *Environmental Protection Act 1986*



Contents

Introduction	2
Licence conditions	5
1 General	5
2 Emissions	11
3 Monitoring	11
4 Information	15
Schedule 1: Maps	18

Introduction

This Introduction is not part of the Licence conditions.

DWER's industry licensing role

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

DWER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DWER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DWER 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 with 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 owner or occupier of the premises the intention is not to replicate them in the licence. 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 may 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 and the conditions attached to it. Non-compliance with it is an offence and financial penalties may apply.

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.

Ministerial conditions

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

Premises description and Licence summary

Esperance Meat Exports holds a licence to operate an abattoir, fellmonger and rendering facility. The Premises was not constructed through a works approval. The licence was transferred to the Shark Lake Food Group Pty Ltd (SLFG) in April 2008 and in August 2017 to the current occupier Esperance Meat Exports. The abattoir processes cattle and sheep and has an approved processing capacity of 10 000 tonnes hot standard carcass weight (HSCW) per annual period.

The premises are located within the catchment of Melijinup Creek, which drains into Lake Warden, which is part of the Lake Warden System (LWS). Then LWS is a wetland of international significance under the Ramsar Convention. The State Salinity Action Plan lists the catchment for the LWS as a Natural Diversity Recovery Catchment. Lake Warden is located 2.2 km south of the Premises' southern boundary. The Premises is also situated within the Esperance Groundwater Area, gazetted under the Rights in Water and Irrigation Act 1914 and lies above a direct groundwater transport zone flowing to Pink Lake and the LWS. Surrounding land use is mainly agriculture and special rural small-holdings. The closest residence is approximately 1 km south-west of the premises and the Department of Agriculture and Food, Western Australia (DAFWA) has offices approximately 0.5 km south-east.

The premises were not initially constructed through a works approval and only one of the wastewater ponds (anaerobic Pond 1) and the bio-filter (for odour management) were assessed and constructed through Works Approval W4497/2008/1.

The stock holding yards and lairage for small stock cover an area of 2,280m² in total and have a maximum holding capacity of 4,935 animals at any one time. The three stock holding yards for cattle are 3,840m² in total and have a maximum holding capacity of 773 animals.

The rendering plant produces meat meal, blood meal and tallow using waste products from the abattoir. Sodium hydroxide is used in the hydrolyser to burn off wool on sheep heads and hocks prior to rendering. This is dosed into the hydrolyser at a rate of 50L per day and the system is purged daily into the effluent system. The cattle hides are refrigerated; all other skins are dried by osmosis through the addition of salt.

There are two hot water generating boilers on site. A 5,000kW capacity unit is the main hot water producing boiler and a 3,500kW unit is the back-up. They are powered by either sump oil or tallow (processed animal wastes). The sump oil is stored in a 35,000 litre tank and the tallow is stored in a 40,000 litre tank. These tanks are not currently provided with secondary containment and have the potential to discharge to land in the event of a leak or spill. A range of chemicals are stored in bunded containment on site and include mainly acid and alkali based cleaners such as caustic soda (10 to 60% concentration), which is stored in a 1,000L bunded plastic container.

In October 2014, SLFG completed the construction of two additional evaporation ponds (Ponds 7 and 8) under Works Approval W5107/2011/1. The new ponds increased the site's effluent storage capacity by at least 20ML. Through the use of the new ponds, that site has demonstrated an ability to manage throughputs without risking an overtopping of evaporation ponds.

In the past all solid wastes have been removed for off-site disposal except for waste wood and cardboard which is burnt in a small open incinerator. A DWER inspection on 21 January 2015 identified that other wastes such as plastics had been burnt in the incinerator despite licence conditions not allowing this. The Licensee provided a commitment that only wood and cardboard will be incinerated at the premises, whilst more sustainable options for re-use and recycling of the waste are investigated. As such, the use of the incinerator remains on the licence until the licence is due to be reissued in October 2016, while other waste management options are investigated.

Amendment Notice 1 issued 23 March 2017 included amendments to conditions and increase in the approved throughput.

On (date) the Department transferred the Licence to Esperance Meat Exports, incorporating minor administrative changes with the transfer, including:

- consolidation of amendment notices;
- corrections to typographical errors;
- the removal of Schedule 2 – the Annual Audit Compliance Report (AACR) template where the new template can be found on DWER's website www.der.wa.gov.au; and
- amendments to conditions which were consequential to the licence being transferred (that is, removing references to the previous licensee and replacing them with a generic term or Esperance Meat Exports).

Licence conditions relating to L7294/1998/11 have not been updated in the transfer (including administrative amendments) process as there has been no change to emissions or regulatory controls in the licence.

The licences and works approvals issued for the Premises since 18/10/1998 are:

Instrument log		
Instrument	Issued	Description
Instrument number and version	Date of issue or amendment	Reason for issue of instrument e.g. ministers decision must be recorded
L7298/1998/1	18/10/1998	New application - Grieves and Reid, Shark Lake Meat Works
L7298/1998/2	18/10/1999	Licence re-issue
L7298/1998/3	18/10/2000	Licence re-issue
L7298/1998/4	02/10/2001	Licence re-issue
L7298/1998/5	11/10/2002	Licence re-issue
L7298/1998/6	30/10/2003	Licence re-issue
L7298/1998/7	18/10/2004	Licence re-issue
L7294/1998/8	18/10/2005	Licence re-issue
L7298/1998/9	18/10/2006	Licence re-issue
L7298/1998/9	19/06/2008	Licence Transfer to Shark Lake Food Group Pty Ltd
L7294/1998/10	16/10/2008	Licence re-issue
W4497/2008/1	08/01/2009	Works Approval (installation of bio-filter and anaerobic Pond 1)
L7294/1998/10	17/07/2010	Licence amendment
L7294/1998/10	06/01/2011	Licence amendment
W5107/2011/1	25/01/2012	Works Approval (three new evaporation ponds and to increase throughput to 30,000 tpa (live weight)) expires 24/01/2018
L7294/1998/10	2/02/2012	Licence amendment
L7294/1998/10	01/10/2014	Licence amendment
L7294/1998/11	17/10/2014	Licence re-issue and update to new template
L7294/1998/11	03/10/2014	Licence amendment to allow SLFG accept liquid waste from



		Myrup TWLWF
L7294/1998/11	17/12/2015	Licence amendment to remove category 61 and allow general infrastructure upgrades
L7294/1998/11	29/04/2016	Amendment by notice to amend licence expiry date.
L7294/1998/11	23/03/2017	Amendment Notice 1 – Amendment to conditions and increase in category 15 approved premises production capacity.
L7294/1998/11	03/11/2017	Licence Transferred to Esperance Meat Exports

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*;

‘**AHD**’ means the Australian height datum;

‘**animals**’ means cattle, sheep and goats;

‘**animal waste material**’ includes blood, bone, fat, paunch contents, animal effluent, and residues;

‘**annual period**’ means the inclusive period from 1 October until 30 September in the following year;

‘**AS 3543**’ means the Australian Standard AS 3543 *Use of standard Ringelmann and Australian Standard miniature smoke charts*;

‘**AS/NZS 5667.1**’ means the Australian Standard AS/NZS 5667.1 *Water Quality – Sampling – Guidance of the Design of sampling programs, sampling techniques and the preservation and handling of samples*;

‘**AS/NZS 5667.6**’ means the Australian Standard AS/NZS 5667.6 *Water Quality – Sampling – Guidance on sampling of rivers and streams*;

‘**AS/NZS 5667.10**’ means the Australian Standard AS/NZS 5667.10 *Water Quality – Sampling – Guidance on sampling of waste waters*;

‘**AS/NZS 5667.11**’ means the Australian Standard AS/NZS 5667.11 *Water Quality – Sampling – Guidance on sampling of groundwaters*;



'averaging period' means the time over which a limit is measured or a monitoring result is obtained;

'bimonthly' means every two calendar months;

'bio-filter' means the bio filter installed through works approval W4497/2008/1 at the location depicted in the map of emission points in Schedule 1;

'boilers' means the 5,000kW fully unattended boiler unit or 3,500kW back-up boiler that burn tallow and sump oil to generate steam and hot water for the site;

'CEO' means Chief Executive Officer;

'CEO' for the purposes of notification means:

Director General
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info-der@dwer.wa.gov.au

'cookers' means any equipment, powered by a boiler, within the rendering facility used to heat animal waste material for the purpose of rendering;

'freeboard' means the distance between the maximum water surface elevations and the top of retaining banks or structures at their lowest point;

'freeboard marker' means a measuring device installed in a pond that enables the freeboard of that pond to be visually measured in millimetres at any time;

'hardstand' means a surface with a permeability of 1×10^{-9} metres/second or less;

'HDPE' means high density polyethylene;

'impervious' means a permeability to water of 1×10^{-9} metres/second or less;

'kL' means kilolitres;

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

'Licence' means this Licence numbered L7297/1998/11 and issued under the Act;

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

'ML' means megalitres

'NATA' means the National Association of Testing Authorities, Australia;

'NATA accredited' means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis;

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

'quarterly' means the 4 inclusive periods from 1 October to 31 December, and in the following year, 1 January to 31 March, 1 April to 30 June, and 1 July to 30 September;

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



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

'spot sample' means a discrete sample representative at the time and place at which the sample is taken;

'SWL' means standing water level measured in meters AHD;

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

'wastewater' means effluent generated from the abattoir, rendering and stockholding activities on the premises including contaminated stormwater;

'wastewater ponds' means all ponds containing untreated or treated wastewater described as Ponds 1 to 8 and Pond 11 at the locations depicted on the premises map and map of emission points and containment infrastructure locations in Schedule 1; and

'wastewater treatment system' means the pond-based system for treating, storing and wastewater, including interconnecting pipes and drains to and between ponds as shown on the premises map and map of emission points and containment infrastructure locations in Schedule 1.

'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 currently in force as may be amended or replaced from time to time during the term of this Licence.

1.1.4 Any reference to a guideline or code of practice in the Licence means the version of that guideline or code of practice currently in force as may be amended or replaced from time to time during the term of this Licence.

1.1.5 Nothing in the Licence shall be taken to authorise any emission that is not mentioned in the Licence, where the emission amounts to:

- (a) pollution;
- (b) unreasonable emission;
- (c) discharge of waste in circumstances likely to cause pollution; or
- (d) being contrary to any written law.

1.2 General conditions

1.2.1 The Licensee shall operate and maintain all pollution control and monitoring equipment to the manufacturer's specification or any relevant and effective internal management system.

1.2.2 The Licensee shall immediately recover, or remove and dispose of spills of environmentally hazardous materials which occur outside an engineered containment system.

1.2.3 The Licensee shall:

- (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises.¹

Note1: *The Environmental Protection (Unauthorised Discharges) Regulations 2004* make it an offence to discharge certain materials into the environment.



1.3 Premises operation

1.3.1 The Licensee shall only conduct activities on the premises in accordance with the authorised processes set out in Table 1.3.1.

Table 1.3.1: Authorised Processes		
Animals/Waste	Processes	Process limits
Animals	Receipt, slaughter and processing	No more than 10,000 tonnes (hot standard carcass weight) of animals may be slaughtered per annual period.
Animals	Holding and lairage	Animals must not be placed or held in the holding yards indicated on the map of emission points and containment infrastructure locations in Schedule 1.
Animal waste material for rendering	Storage, handling, hydrolysing and rendering	Not more than 10,000 tonnes of animal waste material shall be rendered per annual period. The Licensee must operate the rendering facility such that exhaust gases from the cookers are directed to the condenser and bio-filter.
Animal skins	Storage, handling and curing	Salt wastes must not be discharged to land or into the wastewater treatment system.
Blood	Storage, handling, and cooking	The Licensee must operate the blood cooker such that exhaust gases are directed to the condenser and bio-filter. Run-off from the blood storage, handling and cooking areas must be directed to the wastewater system.
Untreated wastewater	Physical and biological treatment	All wastewaters including wash down water, by-products wastewater and contaminated run-off shall be directed to the wastewater treatment ponds using impervious pipes or drains.
Treated wastewater	Evaporation	A net volume of no greater than 8ML of treated wastewater shall be stored in evaporation Pond 6 per annual period. No more than 20ML cumulative volume of treated wastewater shall be re-directed from evaporation Pond 6 into evaporation Ponds 7 and 8 per annual period. No net volume of treated wastewater must be stored in holding Pond 11 from the commencement to the end of each annual period. No irrigation or discharge of wastewater to land shall occur.
Tallow	Storage and burning to generate steam and hot water	Used in the boilers as a fuel.
Sump oil		



- 1.3.2 The Licensee shall ensure that waste is only stored and/or treated within vessels or compounds provided with the infrastructure detailed in Table 1.3.2.

Table 1.3.2: Containment infrastructure		
Storage vessel or compound	Material	Infrastructure requirements
Solid waste storage bay	Manure collected from stock holding pens, lairage and transport vehicles, and paunch material	Covered and bunded hardstand area.
Blood tank	Blood	2 x 10 000L enclosed impermeable tanks, stored on a hardstand area.
Tallow tank	Tallow	1 x 12 000L; 1 x 16 000L; 1 x 40 000L; 1 x 90 000L enclosed impermeable tanks, stored on a hardstand area.
Sump oil tank	Sump oil	1 x 35 000L enclosed impermeable tank, stored on a hardstand area.
Pond 1 (Anaerobic pond)	Abattoir , rendering and stock holding yards wastewater	Lined to achieve a permeability of at least 1×10^{-9} m/s.
Pond 2 (Aerobic pond)		
Pond 3 (Aerobic pond)	Treated wastewater	Clay lined.
Pond 4 (Aerobic pond)		
Pond 5 (Aerobic pond)		
Pond 6 (Evaporation pond)		
Pond 7 (Evaporation pond)		HDPE lined.
Pond 8 (Evaporation pond)		
Pond 11 (Holding pond)		Lined with at least 1m of clay to achieve a permeability of at least 1×10^{-9} m/s.
Wastewater transfer pipeline from Pond 5 to Pond 6, 7 and 8		Constructed from impervious poly-pipe with intact joints.

- 1.3.3 The Licensee shall ensure that where waste produced on the Premises are not immediately taken off-site for lawful use or disposal, they are managed in accordance with the requirements in Table 1.3.3.



Table 1.3.3: Management of Waste

Waste type	Disposal strategy	Operational requirements
Pre-slaughter deceased animals	Storage, handling, hydrolysing and rendering	Deceased livestock identified prior to slaughter must be rendered within 24 hours. Burial of deceased livestock must not occur.
Animal waste material for rendering	Storage, handling, hydrolysing and rendering	Stored within sealed buildings, covered vessels or containers prior to rendering. Raw animal waste material must not be stored for longer than 24 hours prior to rendering.
Manure collected from stock holding pens, lairage and transport vehicles, and paunch material	Storage and handling prior to removal off-site.	Stored in a covered and bunded hardstand area.
Animal skins	Storage, handling and curing	Sheep skins must be treated with salt within 8 hours of slaughter and stored on a covered hardstand area. Cattle skins must be refrigerated within 8 hours of slaughter.
Blood	Storage, handling, and cooking	Blood must be rendered the same working day it is generated.
Waste cardboard, paper, and untreated timber	Incineration	No other wastes must be incinerated.

- 1.3.4 The Licensee shall manage wastewater Ponds 2 to 8 and Pond 11 such that:
- (a) a minimum freeboard of 300mm is maintained;
 - (b) stormwater runoff is prevented from causing the erosion of inner and outer pond embankments;
 - (c) overflow of wastewater from the ponds does not occur;
 - (d) vegetation is prevented from growing on inner pond embankments; and
 - (e) a freeboard marker is maintained to enable the internal freeboard levels to be measured (in millimetres) at all times; and
- 1.3.5 The Licensee shall manage wastewater Pond 1 (anaerobic pond) such that a crust is maintained at all times.
- 1.3.6 The Licensee shall manage wastewater Pond 5 and Pond 6 such that:
- (a) all treated wastewater being directed to Pond 6 passes through flow meter 1 (PM1);
 - (b) all treated wastewater being directed to Ponds 7 and 8 from Pond 6 passes through flow meter 2 (PM2);
 - (c) all treated wastewater being directed from Pond 5 to Pond 11 passes through flow meter 3 (PM3);
 - (d) all treated wastewater being directed from Pond 11 to Pond 5 passes through flow meter 4 (PM4); and
- 1.3.7 The Licensee shall manage Ponds 6, 7, 8 and 11 such that the water transfer pipeline outlet is kept clear of the water surface level at all times.

2 Emissions

2.1 General

- 2.1.1 The Licensee shall record and investigate the exceedance of any descriptive or numerical limit specified in any part of section 2 of this Licence.

2.2 Point source emissions to air

- 2.2.1 The Licensee shall ensure that where waste is emitted to air from the emission points in Table 2.2.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.

Table 2.2.1: Emission points to air

Emission point reference and location on Map of emission point and containment infrastructure locations	Emission point	Source, including any abatement
A1	Boiler house stack	Sump oil or tallow fired boilers
A2	Biofilter	Waste gases from the cookers passed through the condenser

- 2.2.2 The Licensee shall not cause or allow point source emissions to air greater than the limits listed in Table 2.2.2.

Table 2.2.2: Point source emission limits to air

Emission point Reference	Parameter	Limit (including units) ¹	Averaging period
A1	Smoke	Ringelmann Shade 4 or greater for a period longer than four minutes	Spot Sample

Note 1: All units are referenced to AS 3543 Ringelmann and Australian Standard miniature smoke charts

3 Monitoring

3.1 General monitoring

- 3.1.1 The licensee shall ensure that:
- all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - all wastewater samples are collected in accordance with AS/NZS 5667.10;
 - all surface water sampling is conducted in accordance with AS/NZS 5667.6;
 - all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
 - all samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
- 3.1.2 The Licensee shall ensure that:
- monthly monitoring is undertaken at least 15 days apart;
 - quarterly monitoring is undertaken at least 45 days apart; and
 - annual monitoring is undertaken at least 9 months apart.
- 3.1.3 The Licensee shall record production or throughput data and any other process parameters relevant to any monitoring undertaken.
- 3.1.4 The Licensee shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications.



- 3.1.5 The Licensee shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, as soon as reasonably practicable bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

3.2 Monitoring of point source emissions to air

- 3.2.1 The Licensee shall undertake the monitoring in Table 3.2.1 according to the specifications in that table.

Table 3.2.1: Monitoring of point source emissions to air

Emission point reference	Parameter	Units ¹	Averaging period	Frequency	Method
A1	Smoke	Ringelmann Shade	Spot sample	Every 60 minutes during operation of the boilers	AS 3543

Note 1: All units are referenced to AS 3543 Ringelmann and Australian Standard miniature smoke charts

3.3 Monitoring of inputs and outputs

- 3.3.1 The Licensee shall monitor and record inputs/outputs in Table 3.3.1 according to the specifications in that table.

Table 3.3.1: Monitoring of inputs and outputs

Input/output	Parameter/ substance	Units	Averaging period	Frequency
Input	Live Weight of animals processed at the Premises ¹	Tonnes	Monthly	Each batch of animals arriving at the Premises for the purpose of slaughter
	Water directed to the wastewater treatment system estimated using water usage	kL		Continuous
	Animal waste materials being rendered	Tonnes		Each load entering the rendering plant
Output	Animal waste material	Tonnes	Monthly	Each load leaving the premises.
	Animal skins	Number		

Note 1: Live weight to be calculated from hot standard carcass weight tonnages.



Process monitoring

- 3.4.1 The Licensee shall undertake the monitoring in Table 3.4.1 according to the specifications in that table.

Table 3.4.1: Process monitoring					
Monitoring point reference and location on Map of monitoring locations	Process description	Parameter/ Substance	Units	Frequency	Method
Ponds 6, 7, 8 and 11	Freeboard marker in Ponds 6, 7, 8 and 11	Freeboard	mm	Daily	Visually measured using the freeboard marker
PM1	Wastewater transfer between Conshear and Pond 1	Wastewater input to wastewater treatment system	kL	Daily	Meter readings
PM2	Wastewater transfer between Pond 5 and Pond 6	Cumulative wastewater transfer between Pond 5 and Pond 6		Before and after each transfer of wastewater	
PM3	Wastewater transfer between Pond 5 and Pond 11	Cumulative wastewater transfer between Pond 5 and Pond 11			
PM4	Wastewater transfer between Pond 6 and Pond 7 and Pond 8	Cumulative wastewater transfer between Pond 6 and evaporation Ponds 7 and 8			
P1, P2, and P3	Water transfer pipelines	Integrity of water transfer pipeline	None	Daily	Visually inspected for any leaks, punctures, diversions or failures, and verify that the outlet is above the water level in the receiving pond.
Boilers	Steam generation	Operating hours	Hours	Monthly	None specified



3.5 Ambient environmental quality monitoring

3.5.1 The Licensee shall undertake the monitoring in Tables 3.5.1 and 3.5.2 according to the specifications in those tables and record and investigate results that do not meet any limit specified.

Table 3.5.1: Monitoring of ambient surface water quality				
Monitoring point reference and location on Map of monitoring locations	Parameter/ Substance	Units	Averaging period	Frequency
WQ1- WQ2 (Melijinup Creek)	pH	-	Spot sample	Monthly when water is present
	Electrical conductivity	µS/cm		
	Total Nitrogen	mg/L		
	Total Aluminium			
	Total Phosphorus			
	Total Suspended Solids			
Biochemical Oxygen Demand				

Table 3.5.2: Monitoring of ambient groundwater quality					
Monitoring point reference and location on Map of monitoring locations	Parameter/ Substance	Limits	Units	Averaging period	Frequency
GQ1,GQ2, GQ3, GQ4, GQ5, EPB1, EPB2, EPB3, EPB4 and EPB5	Standing water level(SWL) ^{1,2}		mbgl	Spot sample	Quarterly
	pH ²		-		
	Electrical conductivity	N/A	µS/cm		
	Boron	40	mg/L		Annually
	Cadmium	0.02			
	Chlorine residuals	-			
	Copper	20			
	Lead	0.1			
	Mercury	0.01			
	Zinc	30			
	Total Dissolved Solids	1500			Quarterly
	Total Nitrogen	-			
	Total Phosphorus	-			
	Total Aluminium	20			

Note 1: Excluding extraction bore GQ1

Note 2: In situ non-NATA accredited analysis permitted



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 ensure that:
- (a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and
 - (b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.
- 4.1.3 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 4.1.4 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.
- 4.1.5 The Licensee shall implement and maintain a flow recording log that contains the following information for all wastewater flows on the premises:
- (a) Flow meter name (PM1, PM2, PM3 or PM4, as identified in Schedule 1);
 - (b) Time and date of meter recording;
 - (c) Cumulative flows in kL;
 - (d) Place of flow discharge (e.g. name of receiving pond);
 - (e) Vertical freeboard measurement within the receiving pond before and after each wastewater flow;
 - (f) Monthly water transfer pipeline integrity inspections; and
 - (g) Name and person making entry.
- 4.1.6 The Licensee shall implement and maintain a smoke recording log on the premises that records the monitoring carried out in accordance with condition 3.2.1.

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 and where specified in the format or form specified in that table.

Table 4.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter/ required information	Format or form¹
Table 3.3.1	Estimated wastewater volumes in kL directed to the wastewater treatment system per annual period (calculated from water usage).	None specified
Table 3.3.1	Operating hours per month for boilers; Type of fuel used and corresponding quantity in tonnes; and Any maintenance records for the boilers outlining conformance with manufacturer's environmental emission specifications.	None specified
Table 2.2.2	Limit exceedances for the annual period	None specified
Table 3.3.1	Number and species of animals and approximate live weight Tonnage of animals slaughtered each month, Tonnage of animal waste materials and manure leaving the premises. Tonnage of animal products being rendered. Number of animal skins leaving the premises.	None specified
Table 3.4.1	Pipeline integrity for the annual period and cumulative water flows from: <ul style="list-style-type: none"> • Pond 5 to evaporation Pond 6; • evaporation Pond 6 to Ponds 7 and 8; • Pond 5 to holding Pond 11; and • Holding Pond 11 to Pond 7 and 8. 	Log as per condition 4.1.5
3.5.1	Results of any investigation into ambient monitoring that did not meet any limit specified.	None specified
Table 3.5.1	Total nitrogen, total aluminium, total phosphorus, suspended solids, biochemical oxygen demand, electrical conductivity and pH.	None specified
Table 3.5.2	Standing water level, pH, electrical conductivity, total dissolved solids, boron, cadmium, chlorine residuals, copper, lead, mercury, zinc, total nitrogen, total phosphorous, and total aluminium.	None specified
4.1.3	Compliance	Annual Audit Compliance Report (AACR). The AACR template can be found on the DWER's website www.dwer.wa.gov.au
4.1.4	Complaints.	None specified



- 4.2.2 The Licensee shall ensure that the Annual Environmental Report also contains:
- (a) any relevant process, production or operational data recorded under condition 3.1.3; and
 - (b) an assessment of the information contained within the report against all previous monitoring results and Licence limits.

- 4.2.3 The Licensee shall submit the information in Table 4.2.3 to the CEO according to the specifications in that table.

Table 4.2.3: Non-annual reporting requirements

Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form ¹
-	Copies of original monitoring reports submitted to the Licensee by third parties	Not Applicable	Within 14 days of the CEO's request	As received by the Licensee from third parties
Table 3.2.1	Monitoring of emissions to air	Quarterly	Within 30 days of the period ending	Log as per condition 4.1.6

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
2.1.1	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day. Part B: As soon as practicable	N1
3.1.5	Calibration report detailing discrepancy or failure to meet specification	As soon as practicable but no later than 14 usual working days of becoming aware of them	None specified
3.4.1	Any detected leak, failure or malfunction of a wastewater transfer pipeline which has resulted in a discharge of wastewater to the environment	As soon as practicable but no later than 5pm of the next usual working day.	None specified

Note 1: Notification requirements in the licence shall not negate the requirement to comply with s72 of the Act

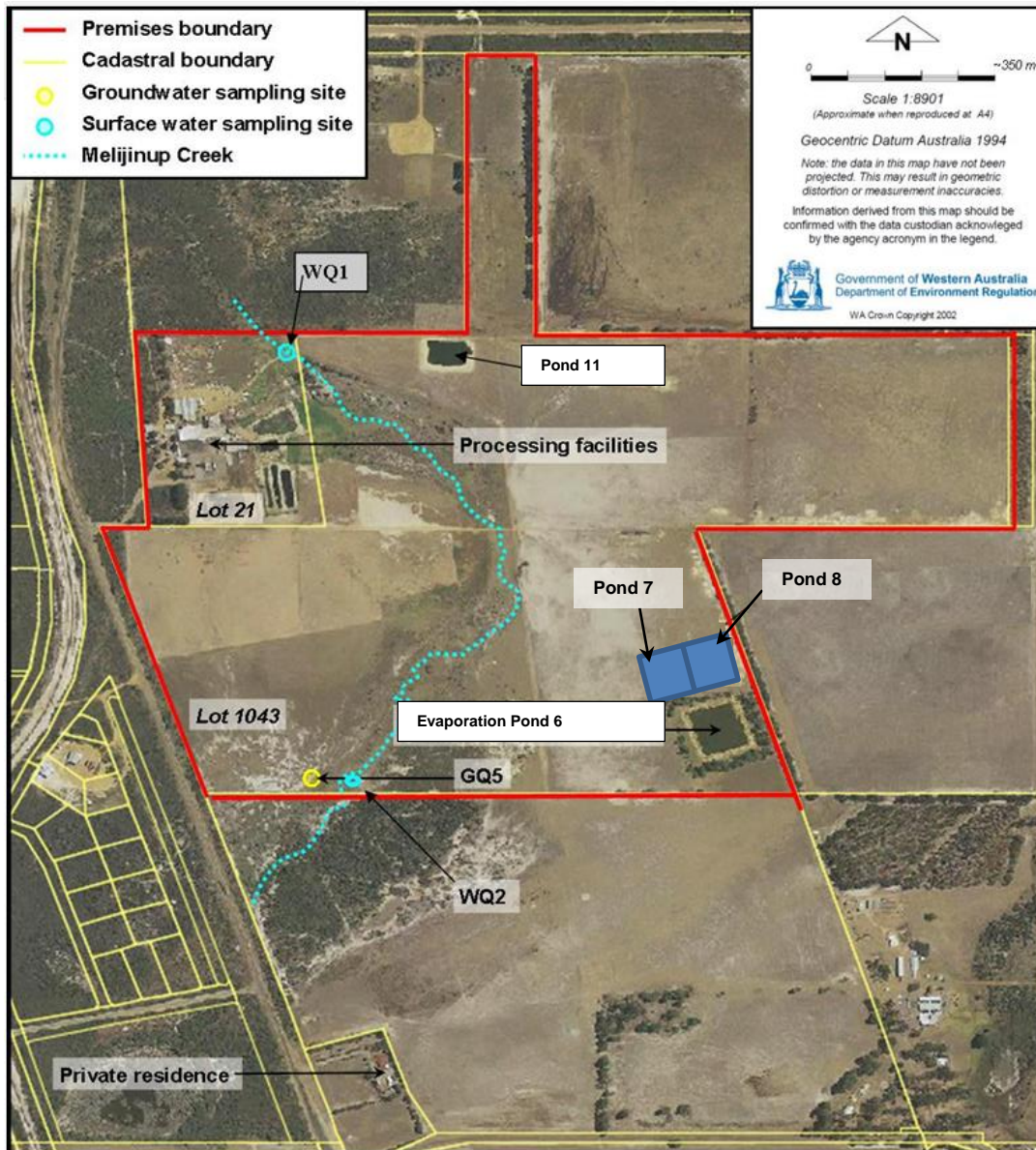
Note 2: Forms are in Schedule 2



Schedule 1: Maps

Premises map

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



Map of emission points and containment infrastructure locations

The locations of the emission points defined in Tables 2.2.1 and 3.2.1 are shown below.
The location of containment infrastructure defined in Table 1.3.2 is shown below.

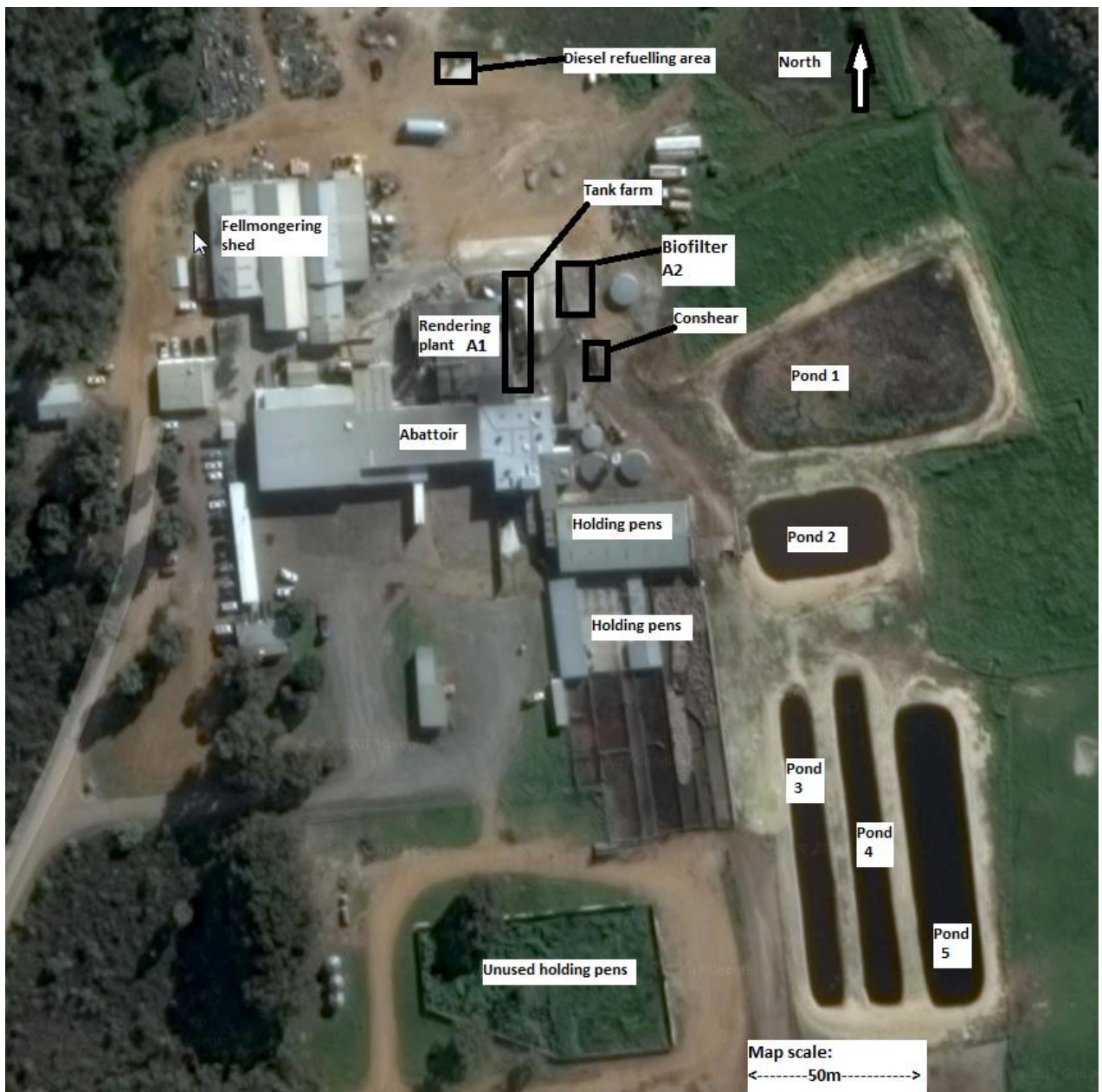


Photo Source: Google Earth <http://google.com.au/maps/> 15 March 2017



Map of monitoring locations

The locations of the monitoring points defined in Tables 3.4.1, 3.5.1 and 3.5.2 are shown below. The location of containment infrastructure defined in Table 1.3.2 is shown below.

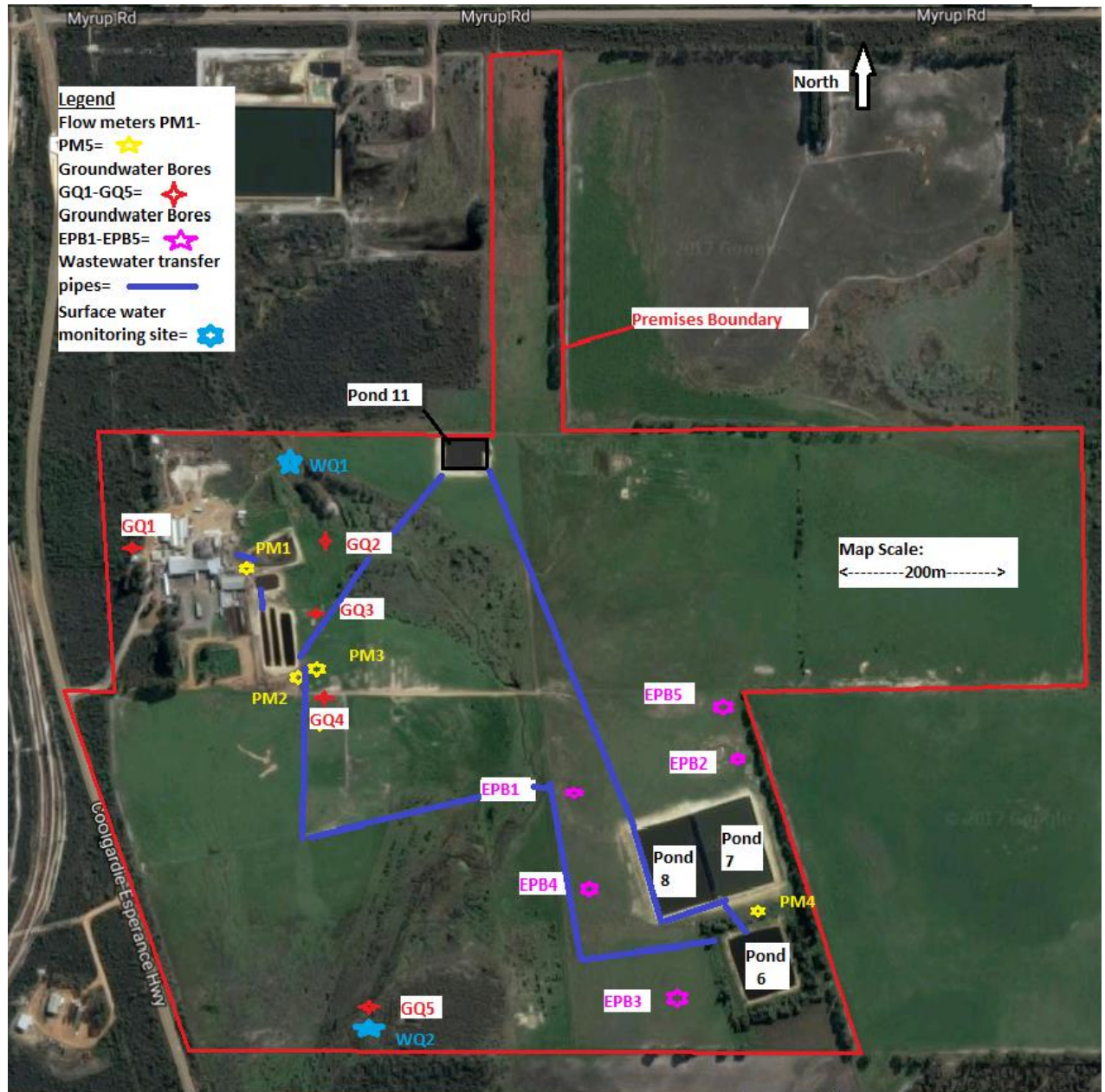


Photo Source: Google Earth <http://google.com.au/maps/> 15 March 2017



Schedule 2: Notification form

Licence: L7294/1998/11
Form: N1

Licensee: Esperance Meat Exports Pty Ltd
Date of breach:

Notification of detection of the breach of a limit.

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 the breach of a limit

Emission point reference/ source	
Parameter(s)	
Limit	
Measured value	
Date and time of monitoring	
Measures taken, or intended to be taken, to stop the emission	

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 Esperance Meat Exports Pty Ltd	
Date	