



Licence

Environmental Protection Act 1986, Part V

Licensee: Mr John Pirone as trustee for 'The Italo Pirone Family Trust'

Licence: L8032/2005/3

Registered office: 20 Boyd Street
GERALDTON WA 6530

Premises address: Moonyoonooka Sand Quarry
Abattoir Road
MOONYOONOOKA WA 6532
Being Lot 4 on Plan 13161 as depicted in Schedule 1

Issue date: Thursday, 09 July 2015

Commencement date: Wednesday, 05 August 2015

Expiry date: Tuesday, 04 August 2020

Prescribed premises category
Schedule 1 of the *Environmental Protection Regulations 1987*

Category number	Category description	Category production or design capacity	Approved premises production or design capacity
63	Class I inert landfill site: premises on which waste (as determined by reference to the waste types set out in the document entitled "Landfill Waste Classification and Waste Definitions 1996" published by the CEO and as amended from time to time) is accepted for burial	500 tonnes or more per year	5000 tonnes per annual period

Conditions

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

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



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Introduction

This Introduction is not part of the Licence conditions.

DER's industry licensing role

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

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

Licence requirements

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

Where other statutory instruments impose obligations on the Premises/Licensee the intention is not to replicate them in the Licence conditions. You should therefore ensure that you are aware of all your statutory obligations under the Act and any other statutory instrument. Legislation can be accessed through the State Law Publisher website using the following link: <http://www.slp.wa.gov.au/legislation/statutes.nsf/default.html>

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

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

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

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



Licence fees

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

Ministerial conditions

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

Premises description and Licence summary

Moonyoonooka Sand Quarry is located at Lot 4 Abattoir Road, Moonyoonooka. The landfilling of inert waste is undertaken within the void created from the previous sand extraction. The Premises is approximately 200 acres in size and is located 13 kilometres (km) east of the city of Geraldton.

The Premises accepts Clean fill and Inert Waste Type 1 and 2 for burial within the void. The Premises accepts approximately 2000 tonnes of Clean Fill and Inert Waste Type 1, and between 100-600 tyres on an annual basis. Temporary tyre storage at the Premises occurs with numbers not exceeding 100 at any one time. No asbestos waste is accepted at the Premises.

The main potential emissions from the site are fugitive emissions in the form of dust. The site implements dust management measures such as the use of water sprays. The closest residential receptor is located approximately 500 metres (m) north-east of the Premises boundary. The surrounding land use is predominantly agricultural. The premises of Geraldton Meat Exports are located adjacent to the Moonyoonooka Sand Quarry.

The depth to groundwater is unknown at the Premises. Groundwater abstractions in neighbouring properties are for industrial use only. Monitoring of water level is not a requirement of these groundwater licences, therefore depth to groundwater is unknown. Static Water Level within a bore located approximately 730 metres to the north of the Premises is approximately 11 metres. Scheme water is not available in the area and it could be possible that these properties are accessing groundwater for exempt domestic purposes. Groundwater flow however is likely to be towards the south-west. The nearest surface water body is a stream located approximately 350m to the east of the Premises.

The landfilling activities at the Premises are deemed to be of low risk due to its proximity to all sensitive receptors. This Licence is the successor to licence L8032/2005/2 and has been converted into the new REFIRE format. Some conditions have changed accordingly.

The Licences and Works Approvals issued for the Premises since 05/08/2005 are:

Instrument log		
Instrument	Issued	Description
L8032/2005/1	05/08/2005	New Licence
L8032/2005/2	02/08/2010	Licence reissue
L8032/2005/3	09/07/2015	Licence reissue and conversion to REFIRE format

Severance

It is the intent of these Licence conditions that they shall operate so that, if a condition or a part of a condition is beyond the power of this Licence to impose, or is otherwise *ultra vires* or invalid, that condition or part of a condition shall be severed and the remainder of these conditions shall nevertheless be valid to the extent that they are within the power of this Licence to impose and are not otherwise *ultra vires* or invalid.

END OF INTRODUCTION



Licence conditions

1 General

1.1 Interpretation

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

1.1.2 For the purposes of this Licence, unless the contrary intention appears:

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

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

'Acceptance Criteria' has the meaning defined in Landfill Definitions;

'annual period' means the inclusive period from 1 August until 31 July;

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

'Clean Fill' has the meaning defined in Landfill Definitions;

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

'CEO' for the purpose of correspondence means;

Manager Licensing (Waste North)
Department of Environment Regulation
Locked Bag 33 Cloisters Square
PERTH 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;

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

'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;

'fugitive emissions' means all emissions not arising from point sources identified in Sections 2.2, 2.3, 2.4 and 2.5;

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



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

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

'Licence' means this Licence numbered L8032/2005/3 and issued under the Act;

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

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

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

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

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

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

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

1.1.4 Any reference to a guideline or code of practice in the Licence 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 guideline or code of practice made during the term of this Licence.

1.2 General conditions

1.2.1 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.

1.2.2 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.

1.2.3 The Licensee, 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.

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

1.2.5 The Licensee shall:

- (a) implement all practical measures to prevent stormwater run-off becoming contaminated by the activities on the Premises; and
- (b) treat contaminated or potentially contaminated stormwater as necessary prior to being discharged from the Premises.

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 accept waste on to the Premises or landfill if:
- (a) it is of a type listed in Table 1.3.1; and
 - (b) the quantity accepted is below any quantity limit listed in Table 1.3.1; and
 - (c) it meets any specification listed in Table 1.3.1.

Table 1.3.1: Waste acceptance

Waste type	Quantity limit tonnes/ annual period	Specification ¹
Inert Waste Type 1	5 000	Waste containing visible asbestos or ACM shall not be accepted
Inert Waste Type 2		Tyres and plastic only
Clean Fill		None specified

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

- 1.3.2 The Licensee shall ensure that where waste does not meet the waste acceptance criteria set out in condition 1.3.1 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a quarantined storage area or container and removed to an appropriately authorised facility as soon as practicable.
- 1.3.3 The Licensee shall ensure that wastes accepted onto the Premises or landfill are only subjected to the process(es) set out in Table 1.3.2 and in accordance with any process limits described in that Table.

Table 1.3.2: Waste processing

Waste type	Process(es)	Process limits ^{1, 2}
Inert Waste Type 1	Receipt, handling, associated storage and disposal of waste by landfilling	<u>All waste types</u> Disposal of waste by landfilling shall only take place within the landfill area shown on the Landfill Area Map in Schedule 1
Inert Waste Type 2		No waste shall be temporarily stored or landfilled within 25 metres from the boundary of the Premises
Clean Fill		The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2m Place waste within the mined out void (the result of sand mining operations) Storage of tyres is not to exceed 100 car tyre equivalents at any one time

Note 1: Requirements for landfilling and temporary storage of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

Note 2: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the *Environmental Protection (Controlled Waste) Regulations 2004*.

- 1.3.4 The Licensee shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.3.3 and that sufficient stockpiles of cover are maintained on site at all times.



Table 1.3.3: Cover requirements ¹			
Waste Type	Material	Depth	Timescales
Inert Waste Type 2	Type 1 Inert Waste or Soil	100mm	By the end of the working day in which the waste was deposited Plastic waste with the potential to become windblown shall be covered as soon as practicable after deposit
	Soil	1 metre	At the completion of a filled mined void
Inert Waste Type 1	No cover required		
Clean Fill			

Note 1: Additional requirements for the covering of tyres are set out in Part 6 of the *Environmental Protection Regulations 1987*.

- 1.3.5 The Licensee shall implement the following security measures at the site:
- (a) erect and maintain suitable fencing to prevent unauthorised access to the site; and
 - (b) ensure that any entrance gates to the Premises are securely locked when the Premises are unattended; and
 - (c) undertake regular inspections of all security measures and repair damage as soon as practicable.
- 1.3.6 The Licensee shall take all reasonable and practical measures to ensure that no wind-blown waste escapes from the Premises and that wind-blown waste is collected on at least a monthly basis and returned to the tipping area.
- 1.3.7 The Licensee shall not burn or allow the burning of waste on the Premises.
- 1.3.8 The Licensee shall ensure that fire-fighting equipment stored on the Premises is capable of controlling and extinguishing a tyre fire.
- 1.3.9 The Licensee shall take all immediate steps to extinguish any fire at the Premises.



2 Emissions

2.1 General

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

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 or groundwater in these sections.

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 Licensee shall ensure that no visible dust generated by the activities of the Premises crosses the boundary of the Premises.

2.7-28 Odour and noise

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



3 Monitoring

3.1 General monitoring

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

3.2-3.4 Monitoring of point source emissions to air, surface water and groundwater

There are no specified conditions relating to monitoring of point source emissions to air, surface water or groundwater in these sections.

3.5 Emissions to land

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

3.6 Monitoring of inputs and outputs

3.6.1 The Licensee shall undertake the monitoring in Table 3.6.1 according to the specifications in that table.

Table 3.6.1: Monitoring of inputs and outputs				
Input/Output	Parameter	Units	Averaging period	Frequency
Waste Inputs	Inert 1, Inert 2 and Clean Fill	tonnes (where a weighbridge is present on the site)	N/A	Each load arriving at the Premises
Waste Outputs	Waste type as defined in the Landfill Definitions	m ³ (where no weighbridge is present)		Each load leaving or rejected from the Premises

3.7 Process monitoring

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

3.8 Ambient environmental quality monitoring

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

3.9 Meteorological monitoring

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



4 Improvements

There are no specified improvement conditions in this section.

5 Information

5.1 Records

5.1.1 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 5.1.1(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.

5.1.2 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.

5.1.3 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.

5.1.4 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.

5.2 Reporting

5.2.1 The Licensee shall submit to the CEO an Annual Environmental Report within 62 (i.e. by 1 October) calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.

Table 5.2.1: Annual Environmental Report		
Condition or table (if relevant)	Parameter	Format or form ¹
-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified
Table 3.6.1	Summary of inputs and outputs	None specified
-	The number and type of tyres received on the Premises each month and the number disposed of each month	None specified
5.1.3	Compliance	Annual Audit Compliance Report (AACR)
5.1.4	Complaints summary	None specified
-	Number and severity of any fires on site	
2.6.1	Measures taken to suppress dust	
1.3.6	Measures taken to control windblown waste	

Note 1: Forms are in Schedule 2



5.3 Notification

5.3.1 The Licensee shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.

Table 5.3.1: 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
-	Any failure or malfunction of any pollution control equipment or any incident, which has caused, is causing or may cause pollution		
-	Fire at the Premises		

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

Note 2: Forms are in Schedule 2



Schedule 1: Maps

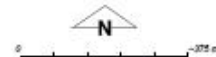
Premises map

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



LEGEND

Geraldton 30m Orthomosaic
Landgate 2008



Scale 1:12500
(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: rachely
Prepared for:
Date: 22/09/2015 6:00:15 PM

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



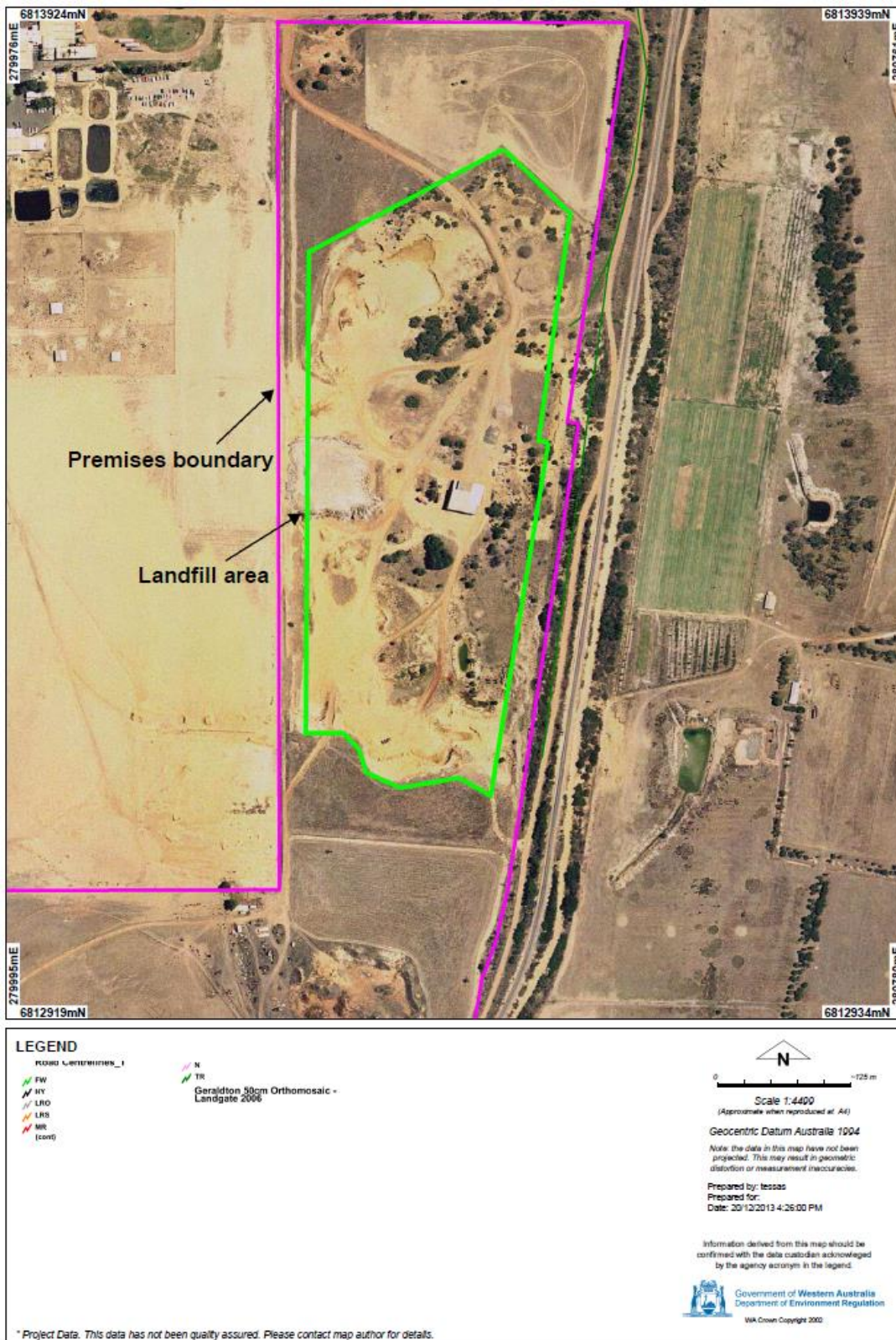
Government of Western Australia
Department of Environment Regulation
WA Crown Copyright 2005

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

Landfill Area Map



The area in which the disposal of waste by landfilling may take place is show in the map below.





Schedule 2: Reporting & notification forms

These forms are provided for the proponent to report monitoring and other data required by the Licence. They can be requested in an electronic format.

ANNUAL AUDIT COMPLIANCE REPORT PROFORMA

SECTION A LICENCE DETAILS

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

STATEMENT OF COMPLIANCE WITH LICENCE CONDITIONS

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

Yes ☐ Please proceed to Section C

No ☐ Please proceed to Section B

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

Initial:



SECTION 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 the 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 initialled by the person(s) who signs Section C of this AACR

Initial:



SECTION C

SIGNATURE AND CERTIFICATION

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

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

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

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

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

SIGNATURE: _____

NAME:
(printed) _____

POSITION: _____

DATE: ____/____/____

SEAL (if signing under seal)

SIGNATURE: _____

NAME:
(printed) _____

POSITION: _____

DATE: ____/____/____



Licence: L8032/2005/3

Licensee: Mr John Pirone trustee for 'The Italo Pirone Family Trust'

Form: N1

Date of breach:

Notification of detection of the breach of a limit or any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution.

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	

Notification requirements for any failure or malfunction of any pollution control equipment or any incident which has caused, is causing or may cause pollution

Date and time of event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances potentially released	
Best estimate of the quantity or rate of release of substances	
Measures taken , or intended to be taken, to stop any emission	
Description of the failure or accident	



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 Mr John Pirone trustee for 'The Italo Pirone Family Trust'	
Date	



Environmental Protection Act 1986, Part V

Licence: L8032/2005/3

Expiry date: Tuesday, 04 August 2020

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 and legal requirements and that the Licence and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document authorised by: Alan Kietzmann
A/ Manager Licensing



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Appendix A	Error! Bookmark not defined.

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 checked="" type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	63	5000 tonnes per annual period
Application verified	Date: 21/05/2015	
Application fee paid	Date: 28/05/2015	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP.		



3 Executive summary of proposal and assessment

This Decision Document relates to the conversion of licence L8032/2005/2 as part of its reissue. Moonyoonooka Sand Quarry is located at Lot 4 Abattoir Road, Moonyoonooka. The landfilling of inert waste is undertaken within the void created from the previous sand extraction. The Premises is approximately 200 acres in size and is located 13 kilometres (km) east of the city of Geraldton.

The Premises accepts Clean fill and Inert Waste Type 1 and 2 for burial within the void. The Premises accepts approximately 2000 tonnes of Clean Fill and Inert Waste Type 1, and between 100-600 tyres on an annual basis. Temporary tyre storage at the Premises occurs with numbers not exceeding 100 at any one time. No asbestos waste is accepted at the Premises. The Premises is not open to the public and waste is only brought in by the Licensee to ensure compliance of waste types received.

The main potential emissions from the site are fugitive emissions in the form of dust. The site implements dust management measures such as the use of water sprays. The closest residential receptor is located approximately 500 metres (m) north-east of the Premises boundary. The surrounding land use is predominantly agricultural. The premises of Geraldton Meat Exports are located adjacent to the Moonyoonooka Sand Quarry.

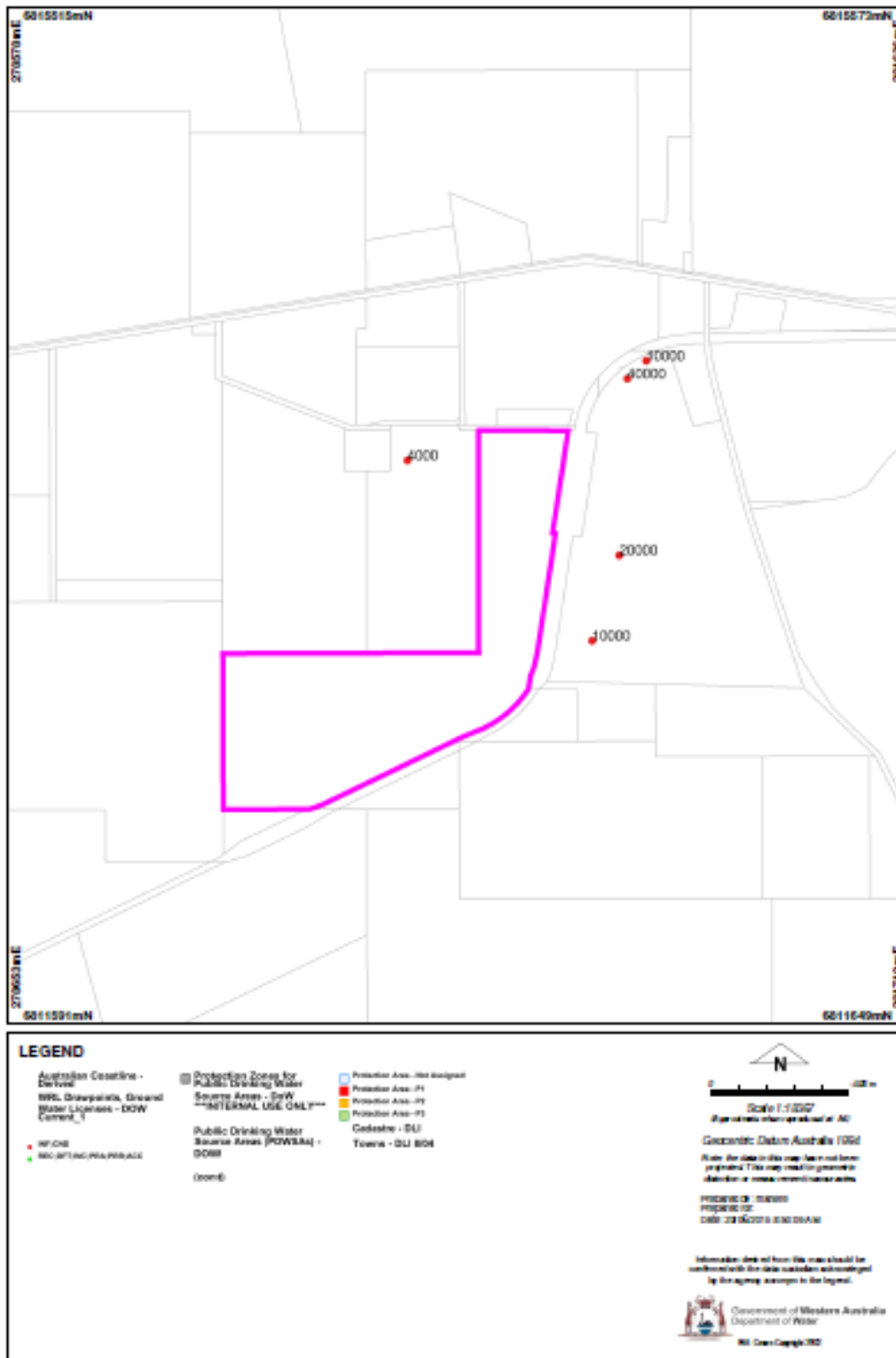
The depth to groundwater is unknown at the Premises. Groundwater abstractions in neighbouring properties are for industrial use only (locations indicated on map below). Monitoring of water level is not a requirement of these groundwater licences, therefore depth to groundwater is unknown. Static Water Level within a bore located approximately 730 metres to the north of the Premises is approximately 11 metres. Scheme water is not available in the area and it could be possible that these properties are accessing groundwater for exempt domestic purposes. Groundwater flow however is likely to be towards the south-west. The nearest surface water body is a stream located approximately 350m to the east of the Premises.

The landfilling activities at the Premises are deemed to be of low risk due to its proximity to all sensitive receptors.



Map of groundwater licences

Location of groundwater abstractions on adjacent land.





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	L1.2.5	OSC	OSC1.2.5 has been included in the Licence to prevent stormwater becoming contaminated by the activities on the Premises. This has replaced condition 12 in the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Premises operation	L1.3.1-1.3.9	OSC	OSC1.3.1 and table 1.3.1 specifies the waste acceptance at the Premises. This has replaced condition 1 in the previous licence. OSC1.3.2 sets the requirement to remove any waste from the Premises that does not meet the waste acceptance criteria. OSC1.3.3 and table 1.3.2 specifies the waste processing at the Premises and replaces condition 2 (i-ii) in the previous licence. Note: The Licensee is expected to meet the requirements of Part 6 of the <i>Environmental Protection Regulations 1987</i> . This sets requirements for the burial of tyres. Condition 3(i-iii) of the previous licence has therefore not been included in the reissued Licence. Condition 6(a) has not been included in the Licence due to it being contradictory to the requirements of Part 6. A tyre storage	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</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>limit of 100 has been imposed within table 1.3.2 in the reissued licence. Condition 6(b) is not required due to the number of tyres being permitted for storage.</p> <p>OSC1.3.4 and table 1.3.3 sets cover requirements for waste buried at the Premises. This has replaced condition 2(iii-iv) and 3 (iv).</p> <p>OSC1.3.5 specifies the site security measures at the Premises. This has replaced condition 4 in the previous licence.</p> <p>OSC1.3.6 regarding wind-blown waste has replaced condition 5(a) and 5(b) in the previous licence. The frequency of collection (monthly) is the same as in the previous licence.</p> <p>OSC1.3.7 specifies that no waste is to be burnt on the Premises. This has replaced condition 11 in the previous licence.</p> <p>OSC1.3.8-1.3.9 regarding fire control at the Premises has replaced conditions 9(a) and 9(b) in the previous licence.</p>	
Emissions general	L2.1.1	OSC	Descriptive limits will be set through condition 2.6.2 of the Licence and therefore OSC2.1.1 regarding recording and investigation of exceedances of limits or targets has been included.	<p>General provisions of the <i>Environmental Protection Act 1986</i>.</p> <p><i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i></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, surface water and groundwater including monitoring	L2.2-2.4 L3.2-3.4	N/A	There are no point source emissions to air, surface water or groundwater from the Premises that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Emissions to land including monitoring	L2.5 L3.5	N/A	There are no emissions to land from the Premises that require regulation through this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Fugitive emissions	L2.6.1	OSC	OSC2.6.1 regarding dust crossing the boundary of the Premises has replaced condition 10 in the previous licence.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection</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
				<i>(Unauthorised Discharges) Regulations 2004</i>
Odour	L2.7	N/A	There are no specified conditions relating to odour in this section, SC1.2.1 applies.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Noise	L2.8	N/A	There are no specified conditions relating to noise in this section, SC1.2.1 and the <i>Environmental Protection (Noise) Regulations 1997</i> apply.	General provisions of the <i>Environmental Protection Act 1986</i> . <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>
Monitoring general	L3.1	N/A	There are no specified general monitoring conditions in this section	N/A
Monitoring of inputs and outputs	L3.6.1	OSC	OSC3.6.1 and table 3.6.1 specifies the monitoring requirements for waste inputs and outputs at the Premises. This is necessary as a comparison with the annual waste acceptance requirements of the Premises.	General provisions of the <i>Environmental</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
				<i>Protection Act 1986.</i>
Process monitoring	L3.7	N/A	Process monitoring is not a requirement of the Licence.	N/A
Ambient quality monitoring	L3.8	N/A	Ambient quality monitoring is not a requirement of the Licence.	N/A
Meteorological monitoring	L3.9	N/A	Meteorological monitoring is not a requirement of the Licence.	N/A
Improvements	L4	N/A	There are no specified improvement conditions in the Licence.	N/A
Information	L5.1.3 L5.2.1 L5.3.1	OSC	SC5.1.3 has replaced condition 8 in the previous licence. SC5.2.1 and table 5.2.1 has replaced condition 7(a) and 7(b) in the previous licence. Note: the requirement of condition 7(b) (ii) has not been reflected in the reissued Licence as the site only buries inert waste. Therefore controlling vermin and pests is not required. OSC5.3.1 and table 5.3.1 sets out notification requirements in the Licence. This has replaced condition 9(c) in the previous licence.	General provisions of the <i>Environmental Protection Act 1986.</i>
Licence Duration	N/A	N/A	The Licence is recommended for a five-year period in accordance with standard DER procedure. There are no factors that warrant the limiting of the duration of this Licence.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
08/06/2015	Application advertised in West Australian (or other relevant newspaper)	Nil comments received	N/A
22/06/2015	Consultation with Department of Water	Groundwater abstractions information received on 23/06/2015	Information included in Premises description
02/07/2015	Proponent sent a copy of draft instrument	Email received 03/07/2015 to confirm acceptance of conditions	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