



Licence

Environmental Protection Act 1986, Part V

Licensee: Annadale Pty Ltd

Licence: L8330/2008/2

Registered office: Annadale Farm Pty Ltd
RMB 405
KOOJAN, WA, 6510

ACN: 119 003 706

Premises address: Annadale Farm
Bulbarnet Road
The land as described in the Address log
KOOJAN, WA, 6510
as depicted in Schedule 1.

Address log		
Lot No	Paddock name	Plan/Diagram
M160	A1, A2	Plan 2836
Lot 12	A2,A3	Diagram 96171
Lot 10	A4, A5, A7	Diagram 96171
M98	A12, A13, A14	Diagram 2083
M99	A12, A13, A15	Diagram 2082
M166	A10, A11	Plan 2836
M167	A10, A11	Plan 2836
M1239	A16, A17, A25, A29	Diagram 5241
M1406	A18, A19, A20, A21, A22, A23, A24, A26, A28, A32	Diagram 6128
M1407	A33, A34	Diagram 6129
M1421	A30, A31	Diagram 6179
Lot 51	Yearalia	Plan 66572
Lot 57	A1, A3	Plan 15485
Lot 11	A1, A3	Plan 96171
Lot 2	A4, A6, A7	Plan 52801
Lot 3	A8/9	Plan 52801
Lot 86	A14	Plan 228035
M135, M136 & M137	Joyce's	Plan 2836
372	Joyce's	Plan 246437
373	Joyce's	Plan 246438
116 & 154	Joyce's	Plan 228338

Issue date: Friday, 07 February 2014

Commencement date: Wednesday, 12 February 2014

Expiry date: Monday, 11 February 2029



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
61A	Solid waste facility: premises (other than premises within category 67A) on which solid waste produced on other premises is stored, reprocessed, treated, or discharged onto land.	1000 tonnes or more per year	40,000 tonnes per year

Conditions

Subject to this Licence and the conditions set out in the attached pages.

Date signed: 27 April 2015

.....
Alan Kietzmann
Manager Licensing (Waste Industries)
Officer delegated under section 20
of the *Environmental Protection Act 1986*



Contents

Licence	1
Contents	3
Introduction	3
Licence conditions	6
1 General	6
2 Emissions	8
3 Information	8
Schedule 1: Maps	10
Schedule 2: Reporting & notification forms	11

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 protect and conserve the state's environment on behalf of the people of Western Australia.

DER has responsibilities under Part V of the *Environmental Protection Act 1986* (the Act) for the licensing of prescribed premises. Through this process DER regulates to prevent, control and abate pollution and environmental harm to conserve and protect the environment. DER also monitor and audit compliance with works approvals and licence conditions, take enforcement action as appropriate and develop and implement 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. Operating without a licence is an offence under the Act.

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

Annadale Farm is a mixed farm enterprise consisting of cattle, sheep and cereal crops ranging from canola to wheat to barley and has been applying biosolids under category 61A, Schedule 1 of the Environmental Protection Regulations 1987 for nearly 15 years.

It is located approximately 35 kilometres from Moora within the Shires of Moora and Victoria Plains. The nearest residence is located approximately 500m to the north-west of the premises. This residence will be buffered from biosolids applications as per the WA Biosolids Guidelines, and the residents will also be consulted prior to applications in their vicinity. The property is fenced and is appropriately signed.

The operation has an average annual throughput of 23,000 tonnes of biosolids per year which is applied at a rate which is determined based on soil and biosolids nutrient and contaminant concentrations using calculations outlined in the WA Biosolids Guidelines as part of the review of environmental factors.

There is one minor perennial watercourse which runs through Lots M99 and M1239 in the southern end of the property. All perennial and intermittent watercourses are buffered from biosolids applications as per the WA Biosolids Guidelines.

Annadale Farm accepts dewatered biosolids cake and lime amended biosolids from Aroona Alliance (Water Corporation) metropolitan waste water treatment plants. This material is stored onsite in paddock stockpiles and applied in accordance with the Western Australian Guidelines for Biosolids Management (2012) (the WA Biosolids Guidelines) and Department of Health approvals. The 5,700 ha property has a total arable area of around 3,800 ha, of which approximately 550 ha has biosolids applied per year.

Annadale farm is comprised of soils that are red brown clay and red loamy duplex with a soil vulnerability category of D with low to moderate permeability. All soil profiles have a moderate to high nutrient retention ability as indicated by high PRI values, high reactive iron levels, and moderate clay levels. The depth to groundwater is greater than 20 metres.

This Licence is the result of an amendment request to adjust the reporting period and to make some minor DER initiated amendments.

The licences and works approvals issued for the Premises since 16/05/2001 are:

Instrument log

Instrument	Issued	Description
------------	--------	-------------



L7644/2001/1	16/05/2001	New application
L7644/2001/2	22/05/2002	Licence re-issue
L7644/2001/3	09/06/2003	Licence re-issue
L7644/2001/4	30/08/2004	Licence re-issue
L7644/2001/5	14/11/2005	Licence re-issue
L7644/2001/6	29/09/2006	Licence re-issue and subsequent expiry in 2008
L8330/2008/1	12/02/2009	New application
L8330/2008/2	30/5/2013	Licence amendment
L8330/2008/3	07/02/2014	Licence re-issue
L8330/2008/3	27/04/2016	Licence amendment

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*;

'annual period' means the inclusive period from 1 July until 30 June;

'biosolids' means the stabilised organic solids derived from sewage treatment processes that are in a state that they can be managed to beneficially utilise the nutrient, soil conditioning, energy or other valuable properties of those solids;

'bunded area' means a wall structure designed to retain or exclude run-off. Bunds may, in most cases, be constructed from earth from the application site;

'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

'CLBAR' means the contaminant limited biosolids application rate, which is the rate which ensures that the concentration of any limiting contaminants does not exceed the maximum allowable soil contaminant concentration, as calculated in the Western Australian guidelines for biosolids management;

'dry tonnes' means the mass of biosolids, excluding any moisture that is present within the biosolids, as determined by moisture content analysis, for example, 100 wet tonnes at 75 per cent moisture is equivalent to 25 dry tonnes;

'fugitive emissions' means all emissions not arising from point sources identified in sections 2.5 and 2.7;

'Licence' means this Licence numbered L8330/2008/2 and issued under the *Environmental Protection Act 1986*;

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

'Limiting Factor' means the lower rate of the nitrogen limited biosolids application rate (NLBAR), the contaminant limited biosolids application rate (CLBAR) and the phosphorus limited biosolids application rate (PLBAR) if required, as defined in the Western Australian guidelines for biosolids management;

'NLBAR' means the nitrogen limited biosolids application rate, which is based on the nitrogen demand of the crop, as calculated in the Western Australian guidelines for biosolids management;



'PLBAR' means the phosphorus limited biosolids application rate, which is the rate at which phosphorus can be applied to soils without excess leaching into the environment, which is only calculated for soils with limited ability to immobilise phosphorus, as calculated in the Western Australian guidelines for biosolids management;

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

'Review of Environmental Factors report' means the report accompanying a third party independent auditor's certification of the proposed biosolids application;

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

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

'Western Australian guidelines for biosolids management' means the most recent version of this guidance document as published by the Department of Environment and Conservation; and

'waste' has the meaning defined in the *Environmental Protection Act 1986*.

1.1.3 Any reference to an Australian or other standard in the Licence means the relevant parts of the current version of that standard.

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.

1.2 Premises operation

1.2.1 The Licensee shall store biosolids stockpiles within paddocks on the Premises.

1.2.2 The Licensee shall ensure that biosolid wastes brought onto the Premises are only subjected to the processes set out in Table 1.2.1 and in accordance with any process limits described in that Table.

Table 1.2.1: Processing of materials		
Waste type	Process	Process requirements
Dewatered biosolid cake and Lime amended biosolids	Storage	(i) stored within a paddock on a slope gradient of less than or equal to 3%; (ii) biosolids are not stockpiled for more than 30 days unless stored within a bunded area; and (iii) storage sites are 100m away from watercourses or wetlands.
	Land application	Ensure that the quantity of biosolids per hectare directly applied to land does not exceed the Limiting Factor for a particular paddock, crop type and biosolids composition.

1.2.3 The licensee shall ensure that the quantity of biosolids per hectare directly applied to land does not exceed the Limiting Factor for a particular paddock, crop type and biosolids composition.

1.2.4 The licensee shall provide to the Director, at least 4 weeks prior to a proposed biosolids application to land, a Review of Environmental Factors report which includes, but is not limited to:
(a) timing of the proposed biosolids application;
(b) proposed location (including paddock name and lot number) for biosolids application;



- (c) details on the proposed application rate (dry tonnes/ha) and incorporation depth (mm);
- (d) details on how this application rate conforms to the requirements of the Western Australian guidelines for biosolids management; and
- (e) source data and calculations used in deriving the application rate.

1.2.5 The Licensee shall maintain a logbook that records the quality and quantity of biosolids supplied, the application rate, the date of supply, the location of properties supplied, depth of incorporation and the area where biosolids have been applied (paddock name).

2 Emissions

2.1 Emissions to land

2.1.1 The Licensee is permitted, subject to conditions in the Licence, to emit waste to land through the emission points listed in Table 2.1.1 and identified in the Map of emission points in Schedule 1.

Table 2.1.1: Emissions to land		
Emission point reference and location on Map of emission points	Description	Source including abatement
M160; Lot 12; Lot 10; M98; M99; M166; M167; M1239; M1406; M1407; M1421; Lot 51; Lot 57; Lot 11; Lot 2; Lot 3; Lot 86; M135; M136; M137; 372; 373; 116 and 154.	Dewatered biosolids cake and Lime amended biosolids	Water Corporation wastewater treatment plant by-product applied in accordance with the West Australian guidelines for biosolids management and Review of Environmental Factors Report.

3 Information

3.1 Records

- 3.1.1 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 3.1.1(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.
- 3.1.2 The Licensee shall complete an Annual Audit Compliance Report indicating the extent to which the Licensee has complied with the conditions of the Licence, and any previous licence issued under Part V of the Act for the Premises for the previous annual period.
- 3.1.3 The Licensee shall:
- (a) implement a complaints management system that shall record the following information (if known or provided) about complaints received at the Premises concerning any environmental impact of the activities undertaken at the Premises:
 - (i) name and address of the complainants (if consented);
 - (ii) date and time of complaint;
 - (iii) date and time of alleged incident;



- (iv) alleged source of the incident;
 - (v) general description of the alleged incident, including any environmental or health impacts reported by the complainant;
 - (vi) wind direction, wind speed and temperature at time of alleged incident;
 - (vii) likely source of the alleged incident; and
 - (viii) actions taken by the Licensee to address the complaint, including the outcome of any investigation(s) and action(s) to verify any impacts; and
- (b) complete an annual analysis and review of complaints recorded under 3.1.3(a) to identify any common factors and root cause of complaints and proposals to address these.

3.2 Reporting

3.2.1 The Licensee shall submit to the Director an Annual Environmental Report within 31 calendar days after the end of the annual period. The report shall contain the information listed in Table 3.2.1 in the format or form specified in that table.

Condition or table (if relevant)	Parameter	Format or form¹
1.2.2 and 1.2.3	Verification details on the applied biosolids application rate in accordance with the submitted Review of Environmental Factors report.	None specified
3.1.2	Compliance	Annual Audit Compliance Report (AACR)
3.1.3	Complaints summary	None specified

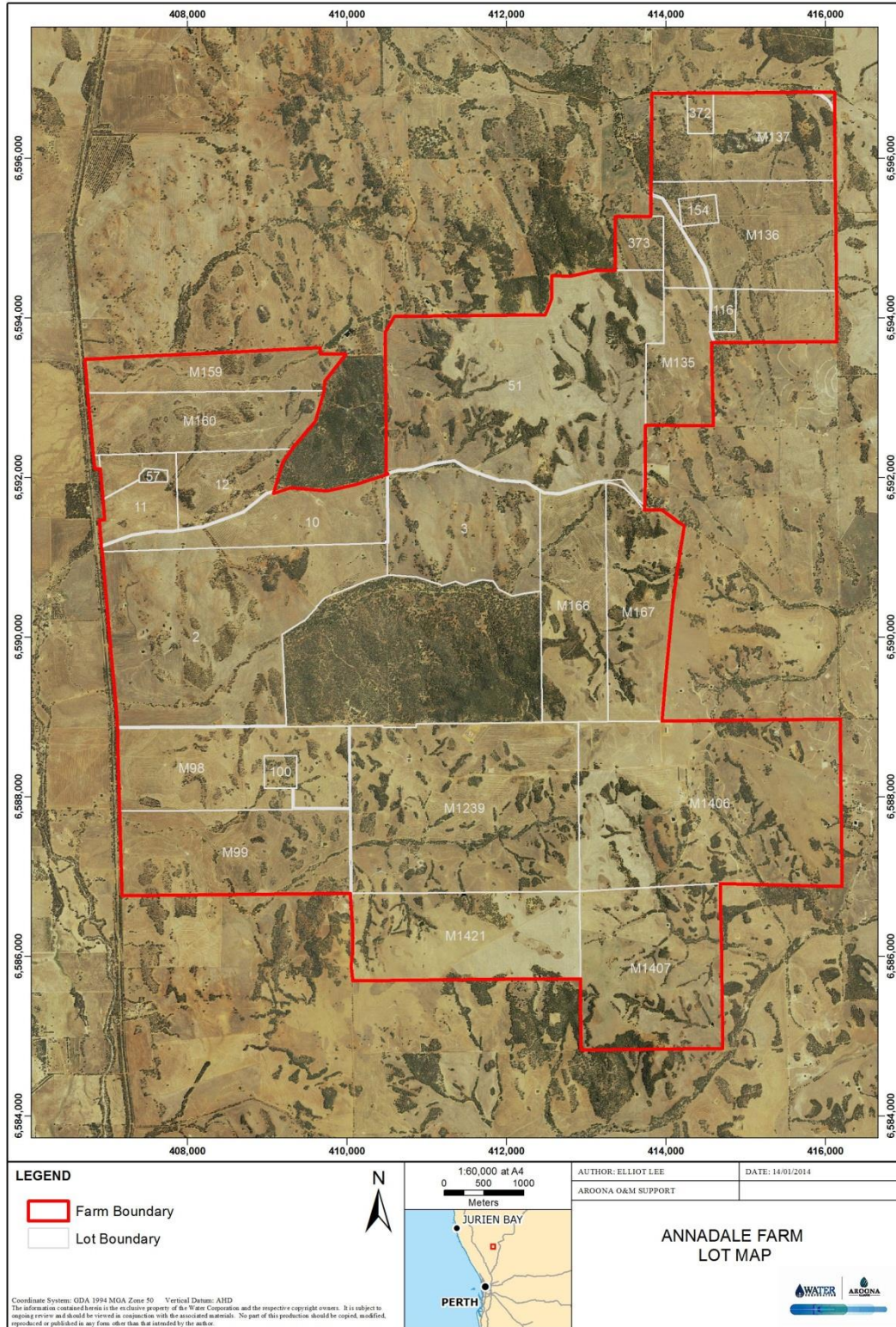
Note 1: Forms are in Schedule 2



Schedule 1: Maps

Premises map

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





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: L8330/2008/3	Licence File Number: DEC13219
Company Name: Annadale Farm Pty Ltd 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 Corporations Act 2001; or by two directors of the licensee; or by a director and a company secretary of the licensee, or if the licensee is a proprietary company that has a sole director who is also the sole company secretary – by that director, or by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
A public authority (other than a local government)	<input type="checkbox"/> <input type="checkbox"/>	by the principal executive officer of the licensee; or by a person with authority to sign on the licensee's behalf who is approved in writing by the Chief Executive Officer of the Department of Environment Regulation.
a local government	<input type="checkbox"/> <input type="checkbox"/>	by the chief executive officer of the licensee; or by affixing the seal of the local government.

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

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

SIGNATURE: _____

SIGNATURE: _____

NAME:
(printed) _____

NAME:
(printed) _____

POSITION: _____

POSITION: _____

DATE: ____/____/____

DATE: ____/____/____



Licence: L8330/2008/3
 Form: N1

Licensee: Annadale Farm 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 Annadale Farm Pty Ltd	
Date	



Decision Document

Environmental Protection Act 1986, Part V

Licensee: Annadale Pty Ltd

Licence: L8330/2008/2

Registered office: Annadale Farm Pty Ltd
RMB 405
KOOJAN, WA, 6510

ACN: 119 003 706

Premises address: Annadale Farm
Bulbarnet Road
The land as described in the Address log
KOOJAN, WA, 6510
as depicted in Schedule 1.

Address log		
Lot No	Paddock name	Plan/Diagram
M160	A1, A2	Plan 2836
Lot 12	A2,A3	Diagram 96171
Lot 10	A4, A5, A7	Diagram 96171
M98	A12, A13, A14	Diagram 2083
M99	A12, A13, A15	Diagram 2082
M166	A10, A11	Plan 2836
M167	A10, A11	Plan 2836
M1239	A16, A17, A25, A29	Diagram 5241
M1406	A18, A19, A20, A21, A22, A23, A24, A26, A28, A32	Diagram 6128
M1407	A33, A34	Diagram 6129
M1421	A30, A31	Diagram 6179
Lot 51	Yearalia	Plan 66572
Lot 57	A1, A3	Plan 15485
Lot 11	A1, A3	Plan 96171
Lot 2	A4, A6, A7	Plan 52801
Lot 3	A8/9	Plan 52801
Lot 86	A14	Plan 228035
M135, M136 & M137	Joyce's	Plan 2836
372	Joyce's	Plan 246437
373	Joyce's	Plan 246438
116 & 154	Joyce's	Plan 228338



Issue date: Friday, 07 February 2014

Commencement date: Wednesday, 12 February 2014

Expiry date: Monday, 11 February 2029

Decision

Based on the assessment detailed in this document the Department of Environment Regulation (DER), CEO's delegated officer has decided to issue an amended licence. The delegated officer considers that in reaching this decision, he has taken into account all relevant considerations.

Decision Document prepared by: Melissa Chamberlain
Licensing Officer

Decision Document authorised by: Alan Kietzmann
Delegated Officer



Contents

Decision Document	1
Contents	3
1 Purpose of this Document	3
2 Administrative summary	3
3 Executive summary of proposal and assessment	4
4 Decision table	5
5 Advertisement and consultation table	8
6 Risk Assessment	9

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 type="checkbox"/> Licence amendment <input checked="" type="checkbox"/> Works Approval amendment <input type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	61A	40,000 tonnes per year
Application verified	Date: N/A	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>



Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Is the Premises subject to any EPP requirements? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

3 Executive summary of proposal and assessment

Annadale Farm is a mixed farm enterprise consisting of cattle, sheep and cereal crops ranging from canola to wheat to barley and has been applying biosolids under category 61A, Schedule 1 of the Environmental Protection Regulations 1987 for nearly 15 years.

It is located approximately 35 kilometres from Moora within the Shires of Moora and Victoria Plains. The nearest residence is located approximately 500m to the north-west of the premises. This residence will be buffered from biosolids applications as per the WA Biosolids Guidelines, and the residents will also be consulted prior to applications in their vicinity. The property is fenced and is appropriately signed.

The operation has an average annual throughput of 23,000 tonnes of biosolids per year which is applied at a rate which is determined based on soil and biosolids nutrient and contaminant concentrations using calculations outlined in the WA Biosolids Guidelines as part of the review of environmental factors.

There is one minor perennial watercourse which runs through Lots M99 and M1239 in the southern end of the property. All perennial and intermittent watercourses are buffered from biosolids applications as per the WA Biosolids Guidelines.

Annadale Farm accepts dewatered biosolids cake and lime amended biosolids from Aroona Alliance (Water Corporation) metropolitan waste water treatment plants. This material is stored onsite in paddock stockpiles and applied in accordance with the Western Australian Guidelines for Biosolids Management (2012) (the WA Biosolids Guidelines) and Department of Health approvals. The 5,700 ha property has a total arable area of around 3,800 ha, of which approximately 550 ha has biosolids applied per year.

Annadale farm is comprised of soils that are red brown clay and red loamy duplex with a soil vulnerability category of D with low to moderate permeability. All soil profiles have a moderate to high nutrient retention ability as indicated by high PRI values, high reactive iron levels, and moderate clay levels. The depth to groundwater is greater than 20 metres.

This amendment is the result of an amendment request by the licensee to adjust the reporting period. A number of DER initiated amendments have also been made in line with DER's current licensing practices.



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
General conditions	N/A	<p>Previous condition 1.2.1 is removed has been removed as it is an explanatory statement and not a valid or enforceable condition.</p> <p>Previous conditions 1.2.2, 1.2.3, 1.2.4 and 1.2.5 are removed as they are not enforceable as they are not sufficiently clear or certain.</p> <p>As there are no longer conditions under the heading '1.2 General Conditions' this has been removed. This has resulted in renumbering of the subsequent section.</p>	N/A
Premises operation	N/A	<p>Previous condition 1.3.5 (now 1.2.5) is amended to remove the statement that the logbooks are to be made available to an inspector upon request, as section 90 of the <i>Environmental Protection Act 1986</i> confers powers on inspectors to require an occupier to provide certain information.</p>	<i>Environmental Protection Act 1986</i>
Emissions general	N/A	<p>Previous condition 2.1.1 is removed as there is no descriptive or numerical condition in this section.</p> <p>Sections stating no specified conditions have been removed.</p>	N/A
Odour	L3.1.3	<p><u>Emission Description</u> <i>Emission:</i> Odour from biosolids accepted and discharged to land at the premises. <i>Impact:</i> Nuisance impacts on nearby receptors. The nearest residence is located approximately 500m to the north-west of the premises <i>Controls:</i> The nearest residence will be buffered from biosolids applications as per the WA Biosolids Guidelines, and the residents will also be consulted prior to applications in their vicinity. Biosolids applications occur during a set number of times per year and</p>	<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>is not a regular occurrence.</p> <p><u>Risk Assessment</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Possible <i>Risk:</i> Low</p> <p><u>Regulatory Controls</u> The risk assessment has determined that odour emissions can be adequately regulated under the <i>Environmental Protection Act 1986</i>. Previous condition 2.6.1 is removed.</p> <p>Current condition 3.1.3 places requirements on the licensee to record and investigate information relating to any complaints. DER will review this information to determine the ongoing effectiveness of controls.</p> <p><u>Residual Risk</u> <i>Consequence:</i> Insignificant <i>Likelihood:</i> Possible <i>Risk:</i> Low</p>	
Monitoring	N/A	This heading has been removed	N/A
Improvements	N/A	This heading has been removed	N/A
Information	L3.2.1	<p>Previous condition 5.1.2 has been removed as the licensee is required to comply with all conditions at all times. It is not a defence to state that a person left in control of the premises or conducting works was unaware of licence conditions.</p> <p>Previous table 5.2.1 (now 3.2.1) has been amended to remove some parameters as they are unclear as to what is being requested. There is no data required under the licence that is not otherwise requested through conditions in the library.</p>	N/A



DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L= Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
Licence Duration	N/A	The licence expiry has been amended to 2029 in line with DER's Guidance Statement, Licence Duration November 2014 (revised May 2015); section 59(1)(k) allows for the CEO to extend the duration of a works approval or licence.	DER's Guidance Statement, Licence Duration November 2014 (revised May 2015).



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
5/04/2016	Proponent sent a copy of draft instrument	No comments received	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