

Environment Protection Licence

Licence - 11557

Licence Details

Number:	11557
Anniversary Date:	03-April

Licensee

LEPPINGTON PASTORAL CO PTY LTD
 1675 THE NORTHERN ROAD
 BRINGELLY NSW 2556

Premises

LEPPINGTON PASTORAL COMPANY
 1675 THE NORTHERN ROAD
 BRINGELLY NSW 2556

Scheduled Activity

Livestock intensive activities

Fee Based Activity

Dairy animal accommodation

Scale

> 1000 T accommodation capacity

Region

Metropolitan - Sydney Industry
 Level 13, 10 Valentine Ave
 PARRAMATTA NSW 2150
 Phone: (02) 9995 5000
 Fax: (02) 9995 6900
 PO Box 668
 PARRAMATTA NSW 2124

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Information about this licence

Dictionary

A definition of terms used in the licence can be found in the dictionary at the end of this licence.

Responsibilities of licensee

Separate to the requirements of this licence, general obligations of licensees are set out in the Protection of the Environment Operations Act 1997 (“the Act”) and the Regulations made under the Act. These include obligations to:

- ensure persons associated with you comply with this licence, as set out in section 64 of the Act;
- control the pollution of waters and the pollution of air (see for example sections 120 - 132 of the Act);
- report incidents causing or threatening material environmental harm to the environment, as set out in Part 5.7 of the Act.

Variation of licence conditions

The licence holder can apply to vary the conditions of this licence. An application form for this purpose is available from the EPA.

The EPA may also vary the conditions of the licence at any time by written notice without an application being made.

Where a licence has been granted in relation to development which was assessed under the Environmental Planning and Assessment Act 1979 in accordance with the procedures applying to integrated development, the EPA may not impose conditions which are inconsistent with the development consent conditions until the licence is first reviewed under Part 3.6 of the Act.

Duration of licence

This licence will remain in force until the licence is surrendered by the licence holder or until it is suspended or revoked by the EPA or the Minister. A licence may only be surrendered with the written approval of the EPA.

Licence review

The Act requires that the EPA review your licence at least every 5 years after the issue of the licence, as set out in Part 3.6 and Schedule 5 of the Act. You will receive advance notice of the licence review.

Fees and annual return to be sent to the EPA

For each licence fee period you must pay:

- an administrative fee; and
- a load-based fee (if applicable).

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The EPA publication “A Guide to Licensing” contains information about how to calculate your licence fees. The licence requires that an Annual Return, comprising a Statement of Compliance and a summary of any monitoring required by the licence (including the recording of complaints), be submitted to the EPA. The Annual Return must be submitted within 60 days after the end of each reporting period. See condition R1 regarding the Annual Return reporting requirements.

Usually the licence fee period is the same as the reporting period.

Transfer of licence

The licence holder can apply to transfer the licence to another person. An application form for this purpose is available from the EPA.

Public register and access to monitoring data

Part 9.5 of the Act requires the EPA to keep a public register of details and decisions of the EPA in relation to, for example:

- licence applications;
- licence conditions and variations;
- statements of compliance;
- load based licensing information; and
- load reduction agreements.

Under s320 of the Act application can be made to the EPA for access to monitoring data which has been submitted to the EPA by licensees.

This licence is issued to:

LEPPINGTON PASTORAL CO PTY LTD
1675 THE NORTHERN ROAD
BRINGELLY NSW 2556

subject to the conditions which follow.

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1 Administrative Conditions

A1 What the licence authorises and regulates

A1.1 This licence authorises the carrying out of the scheduled activities listed below at the premises specified in A2. The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation.

Unless otherwise further restricted by a condition of this licence, the scale at which the activity is carried out must not exceed the maximum scale specified in this condition.

Scheduled Activity	Fee Based Activity	Scale
Livestock intensive activities	Dairy animal accommodation	> 1000 T accommodation capacity

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
LEPPINGTON PASTORAL COMPANY
1675 THE NORTHERN ROAD
BRINGELLY
NSW 2556
LOT 31 DP 746107, LOT 102 DP 812653, LOT 11 DP 1092165, LOT 100 DP 1171843, LOT 101 DP 1171843
LOT BOUNDARIES AND UTILISATION AREAS ARE SHOWN ON THE MAP AT CONDITION A2.2 (DOC16/383703).

A2.2 The premises location is shown on the map below.

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A3 Information supplied to the EPA

A3.1 Works and activities must be carried out in accordance with the proposal contained in the licence application, except as expressly provided by a condition of this licence.

In this condition the reference to "the licence application" includes a reference to:

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998; and
- b) the licence information form provided by the licensee to the EPA to assist the EPA in connection with the issuing of this licence.

2 Discharges to Air and Water and Applications to Land

P1 Location of monitoring/discharge points and areas

P1.1 The following utilisation areas referred to in the table below are identified in this licence for the purposes of the monitoring and/or the setting of limits for any application of solids or liquids to the utilisation area.

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P1.2 The following points referred to in the table are identified in this licence for the purposes of the monitoring and/or the setting of limits for discharges of pollutants to water from the point.

Water and land

EPA Identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to utilisation areas Water quality monitoring	Discharge to utilisation areas Water quality monitoring	Effluent utilisation areas are shown in the Map included at Condition A2.2.
2	Water volume monitoring	Water volume monitoring	Pump station where fresh dam water is mixed with effluent water labelled "Irrigation Flow Meter" in Figure 13 Effluent Management System Review, May 2017.
3	Surface soils monitoring of utilisation areas		Effluent utilisation areas are shown in the Map included at Condition A2.2.
4	Subsurface soils monitoring of utilisation areas		Effluent utilisation areas are shown in the Map included at Condition A2.2.
5	Effluent Volume Monitoring		Effluent Pond 3
6	Effluent Volume Monitoring		Effluent Pond 4
7	Effluent Volume Monitoring		Effluent Pond 5
8	Volume Monitoring		Duncans Creek spill over point - marked DC1 in Effluent Management System Review dated May 2017 ref. DOC17/498926.
9	Water Quality Monitoring		Duncans Creek monitoring point - marked DC2 in Effluent Management System Review dated May 2017 ref. DOC17/498926.
10	Precautionary discharge to Duncans Creek	Precautionary discharge to Duncans Creek	Precautionary Discharge Point to Duncans Creek marked E1 in Effluent Management System Review dated May 2017 ref. DOC17/498926.
11	Volume Monitoring associated with Precautionary Discharge		Pump station where Effluent is drawn from Ponds 3, 4 and 5 as shown in Condition A2.2.

3 Limit Conditions

L1 Pollution of waters

L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with

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section 120 of the Protection of the Environment Operations Act 1997.

Note: This licence does not permit the pollution of water at any time during dry weather. A wet weather precautionary discharge is only permitted as the licence conditions expressly allow it to occur.

L2 Volume and mass limits

- L2.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
- liquids discharged to water; or;
 - solids or liquids applied to the area;
- must not exceed the volume/mass limit specified for that discharge point or area.

Point	Unit of Measure	Volume/Mass Limit
10	kilolitres per minute	5.4
11	kilolitres per minute	3.6

L3 Waste

- L3.1 The licensee must not cause, permit or allow any waste generated outside the premises to be received at the premises for storage, treatment, processing, reprocessing or disposal or any waste generated at the premises to be disposed of at the premises, except as expressly permitted by the licence.
- L3.2 This condition only applies to the storage, treatment, processing, reprocessing or disposal of waste at the premises if those activities require an environment protection licence.

L4 Other limit conditions

- L4.1 Effluent can only be discharged by way of application in the areas designated as Irrigation Areas illustrated in Condition A2.2 or at EPA Identification Point 10, defined at Condition P1.2.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

- O1.1 Licensed activities must be carried out in a competent manner.
This includes:
- the processing, handling, movement and storage of materials and substances used to carry out the activity; and
 - the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the

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activity.

O2 Maintenance of plant and equipment

- O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:
- a) must be maintained in a proper and efficient condition; and
 - b) must be operated in a proper and efficient manner.

O3 Dust

- O3.1 All operations and activities occurring at the premises must be carried out in a manner that will minimise dust at the boundary of the premises.

O4 Effluent application to land

- O4.1 Effluent application must not occur in a manner that causes surface runoff.
- O4.2 Spray from effluent application must not drift beyond the boundary of the premises.
- O4.3 Livestock access to any effluent application area must be denied during irrigation and until the applied effluent has dried.
- O4.4 The licensee must retain the utilisation area.
- O4.5 At least 14 days prior to a utilisation area being rendered unavailable for use, the EPA must be advised in writing of this intention.
Note: Unavailable for use means not used as part of the utilisation area for longer than three (3) years.
- O4.6 The quantity of effluent/solids applied to the utilisation area must not exceed the capacity of the area to effectively utilise the effluent/solids.

For the purposes of this condition, 'effectively utilise' includes the use of the effluent/solids for pasture or crop production, as well as the ability of the soil to absorb the nutrient, salt, hydraulic load and organic material.

O5 Other operating conditions

- O5.1 Other operating conditions
Underground Petroleum Storage Systems

The licensee must have regard to the provisions of the Protection of the Environment Operations (Underground Petroleum Storage Systems) Regulation 2014

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5 Monitoring and Recording Conditions

M1 Monitoring records

M1.1 The results of any monitoring required to be conducted by this licence or a load calculation protocol must be recorded and retained as set out in this condition.

M1.2 All records required to be kept by this licence must be:

- in a legible form, or in a form that can readily be reduced to a legible form;
- kept for at least 4 years after the monitoring or event to which they relate took place; and
- produced in a legible form to any authorised officer of the EPA who asks to see them.

M1.3 The following records must be kept in respect of any samples required to be collected for the purposes of this licence:

- the date(s) on which the sample was taken;
- the time(s) at which the sample was collected;
- the point at which the sample was taken; and
- the name of the person who collected the sample.

M2 Requirement to monitor concentration of pollutants discharged

M2.1 For each monitoring/discharge point or utilisation area specified below (by a point number), the licensee must monitor (by sampling and obtaining results by analysis) the concentration of each pollutant specified in Column 1. The licensee must use the sampling method, units of measure, and sample at the frequency, specified opposite in the other columns:

M2.2 Water and/ or Land Monitoring Requirements

POINT 1

Pollutant	Units of measure	Frequency	Sampling Method
BOD	milligrams per litre	Special Frequency 1	Grab sample
Conductivity	deciSiemens per metre	Special Frequency 1	Grab sample
NH3-N	milligrams per litre	Special Frequency 1	Grab sample
Nitrate	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (total)	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Grab sample
Phosphorus (total)	milligrams per litre	Special Frequency 1	Grab sample
TKN-N	milligrams per litre	Special Frequency 1	Grab sample

POINT 3

Pollutant	Units of measure	Frequency	Sampling Method
Bray phosphorus	milligrams per kilogram	Yearly	Special Method 1

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Cation Exchange Capacity	milliequivalents per litre	Yearly	Special Method 1
Conductivity	deciSiemens per metre	Yearly	Special Method 1
Exchangeable sodium percentage	percent	Yearly	Special Method 1
Nitrate	milligrams per kilogram	Yearly	Special Method 1
Nitrogen (total)	percent by weight	Yearly	Special Method 1
Organic carbon	percent by weight	Yearly	Special Method 1
pH	pH	Yearly	Special Method 1

POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
Bray phosphorus	milligrams per kilogram	Every 2 years	Special Method 2
Conductivity	deciSiemens per metre	Every 2 years	Special Method 2
Nitrate	milligrams per kilogram	Every 2 years	Special Method 2
pH	pH	Every 2 years	Special Method 2
Phosphorus Sorption Capacity	milligrams per kilogram	Every 2 years	Special Method 2

POINT 8,9,10

Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per litre	Special Frequency 3	Grab sample
Conductivity	deciSiemens per metre	Special Frequency 3	Grab sample
E. coli	colony forming units per 100 millilitres	Special Frequency 3	Grab sample
Nitrate	milligrams per litre	Special Frequency 3	Grab sample
Nitrite	milligrams per litre	Special Frequency 3	Grab sample
Nitrogen (total)	milligrams per litre	Special Frequency 3	Grab sample
pH	-	Special Frequency 3	Grab sample
Phosphorus (total)	milligrams per litre	Special Frequency 3	Grab sample
TKN-N	milligrams per litre	Special Frequency 3	Grab sample
Total suspended solids	milligrams per litre	Special Frequency 3	Grab sample

M2.3 For the purpose of condition M2.1 Special Method 1 is defined as three composite soil samples collected from surface soils (0-10cm depth). The composite sample must comprise a minimum of 10 subsamples. Each composite soil sample must be analysed for the parameters set out in condition M2.2 for Point 3 and each composite must be collected from each of the following land profiles in the irrigation area:

- slope
- ridge
- flat area.

M2.4 For the purpose of condition M2.1 Special Method 2 is defined as three composite soil samples collected from the sub-surface soils (40-70cm depth). The composite sample must comprise a minimum of 10 sub-samples. Each composite soil sample must be analysed for the parameters set out in condition M2.2

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for Point 4 and each composite sample must be collected from each of the following land profiles in the irrigation area:

- a) slope
- b) ridge
- c) flat area.

M2.5 For the purpose of condition M2.1 Special Frequency 1 is defined as two scheduled sampling events each year conducted at least 60 days but not more than 100 days apart, provided that irrigation occurs during this timeframe. In the event that irrigation does not occur during these timeframe, the licensee must negotiate new sampling sessions with the EPA.

M2.6 For the purpose of Condition M2.1, Special Frequency 3 occurs during a Precautionary Discharge as described in Conditions E1, E2 and E3. Special Frequency 3 consists of two (2) grab samples that are collected over an interval of 30 minutes to form a single composite sample for analysis.

M3 Testing methods - concentration limits

M3.1 Subject to any express provision to the contrary in this licence, monitoring for the concentration of a pollutant discharged to waters or applied to a utilisation area must be done in accordance with the Approved Methods Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Recording of pollution complaints

M4.1 The licensee must keep a legible record of all complaints made to the licensee or any employee or agent of the licensee in relation to pollution arising from any activity to which this licence applies.

M4.2 The record must include details of the following:

- a) the date and time of the complaint;
- b) the method by which the complaint was made;
- c) any personal details of the complainant which were provided by the complainant or, if no such details were provided, a note to that effect;
- d) the nature of the complaint;
- e) the action taken by the licensee in relation to the complaint, including any follow-up contact with the complainant; and
- f) if no action was taken by the licensee, the reasons why no action was taken.

M4.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M4.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M5 Telephone complaints line

M5.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of

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receiving any complaints from members of the public in relation to activities conducted at the premises or by the vehicle or mobile plant, unless otherwise specified in the licence.

M5.2 The licensee must notify the public of the complaints line telephone number and the fact that it is a complaints line so that the impacted community knows how to make a complaint.

M5.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

M6 Requirement to monitor volume or mass

M6.1 For each discharge point or utilisation area specified below, the licensee must monitor:

- a) the volume of liquids discharged to water or applied to the area;
- b) the mass of solids applied to the area;
- c) the mass of pollutants emitted to the air;

at the frequency and using the method and units of measure, specified below.

POINT 2

Frequency	Unit of Measure	Sampling Method
Monthly during discharge	kilolitres	Flow meter and continuous logger

POINT 10

Frequency	Unit of Measure	Sampling Method
Each overflow event	kilolitres	Flow meter and continuous logger

POINT 11

Frequency	Unit of Measure	Sampling Method
Continuous during discharge	kilolitres	Flow meter and continuous logger

6 Reporting Conditions

R1 Annual return documents

R1.1 The licensee must complete and supply to the EPA an Annual Return in the approved form comprising:

1. a Statement of Compliance,
2. a Monitoring and Complaints Summary,
3. a Statement of Compliance - Licence Conditions,
4. a Statement of Compliance - Load based Fee,
5. a Statement of Compliance - Requirement to Prepare Pollution Incident Response Management Plan,
6. a Statement of Compliance - Requirement to Publish Pollution Monitoring Data; and
7. a Statement of Compliance - Environmental Management Systems and Practices.

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At the end of each reporting period, the EPA will provide to the licensee a copy of the form that must be completed and returned to the EPA.

R1.2 An Annual Return must be prepared in respect of each reporting period, except as provided below.

Note: The term "reporting period" is defined in the dictionary at the end of this licence. Do not complete the Annual Return until after the end of the reporting period.

R1.3 Where this licence is transferred from the licensee to a new licensee:

- a) the transferring licensee must prepare an Annual Return for the period commencing on the first day of the reporting period and ending on the date the application for the transfer of the licence to the new licensee is granted; and
- b) the new licensee must prepare an Annual Return for the period commencing on the date the application for the transfer of the licence is granted and ending on the last day of the reporting period.

Note: An application to transfer a licence must be made in the approved form for this purpose.

R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:

- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
- b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.

R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').

R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.

R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:

- a) the licence holder; or
- b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

R1.8 Monitoring report

The licensee must supply with the Annual Return a report, which provides:

- a) an analysis and interpretation of monitoring results; and
- b) actions to correct identified adverse trends.

R1.9 The licensee must retain all records associated with Conditions E1.5, E2.5 and E3.5. These records must be produced to any authorised officer of the EPA on request.

R2 Notification of environmental harm

Note: The licensee or its employees must notify all relevant authorities of incidents causing or threatening

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material harm to the environment immediately after the person becomes aware of the incident in accordance with the requirements of Part 5.7 of the Act.

- R2.1 Notifications must be made by telephoning the Environment Line service on 131 555.
- R2.2 The licensee must provide written details of the notification to the EPA within 7 days of the date on which the incident occurred.
- R2.3 a) Notwithstanding notification requirements under condition R2.1 and R2.2, the licensee must notify the EPA of incidents where effluent has been discharged to, or is reasonably expected to be discharged to waterways.
- b) Notifications must be made to the EPA by contacting the Environment Line as soon as practicable after the licensee becomes aware of the incident.
- c) The notification should include the relevant information as per section 150 of the *Protection of Environment Operations Act 1997*.

Note: The reporting requirements in Condition R2.3 do not replace any other reporting requirements in the licence or under the Protection of the Environment Operations Act 1997.

R3 Written report

- R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:
- where this licence applies to premises, an event has occurred at the premises; or
 - where this licence applies to vehicles or mobile plant, an event has occurred in connection with the carrying out of the activities authorised by this licence,
- and the event has caused, is causing or is likely to cause material harm to the environment (whether the harm occurs on or off premises to which the licence applies), the authorised officer may request a written report of the event.
- R3.2 The licensee must make all reasonable inquiries in relation to the event and supply the report to the EPA within such time as may be specified in the request.
- R3.3 The request may require a report which includes any or all of the following information:
- the cause, time and duration of the event;
 - the type, volume and concentration of every pollutant discharged as a result of the event;
 - the name, address and business hours telephone number of employees or agents of the licensee, or a specified class of them, who witnessed the event;
 - the name, address and business hours telephone number of every other person (of whom the licensee is aware) who witnessed the event, unless the licensee has been unable to obtain that information after making reasonable effort;
 - action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
 - details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of

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such an event; and
g) any other relevant matters.

R3.4 The EPA may make a written request for further details in relation to any of the above matters if it is not satisfied with the report provided by the licensee. The licensee must provide such further details to the EPA within the time specified in the request.

7 General Conditions

G1 Copy of licence kept at the premises or plant

G1.1 A copy of this licence must be kept at the premises to which the licence applies.

G1.2 The licence must be produced to any authorised officer of the EPA who asks to see it.

G1.3 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

8 Special Conditions

E1 Precautionary Discharge Plan with dilution flow from the main dam

E1.1 The objective of this condition is to reduce the combined wet weather storage capacity within Effluent Ponds 3, 4 and 5 (EPA identification Points 5, 6 and 7) below 130ML within any month from May to December (inclusive) as described in the *Base Farm Dairy Effluent Management System Review*.

E1.2 The licensee is permitted to discharge 20L/s effluent from Ponds 3, 4 and 5, as shown on the map in Condition A2.2, combined with 70L/s fresh water if the three month forward rainfall forecast is above the long term three month rainfall forecast.

E1.3 When the flow depth over the spillway (EPA Identification Point 9) rises above 25mm, the licensee is permitted to discharge the diluted flow through the three hydrants to the Duncans Creek spill over point (EPA Identification Point 8).

Note: Spillway flow is recorded by monitoring the depth over the spillway and applying the following equation: $Q = 17 \cdot (H^{1.5})$

where

Q = flow (cubic metres per second)

H = depth of flow (metres)

E1.4 When the flow depth over the spillway (EPA Identification Point 9) falls below 25mm, the licensee must cease all effluent discharge to Duncans Creek.

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- E1.5 When discharges occur under Condition E1, the licensee must collect effluent and creek samples for analysis in accordance with Condition M2.2.
- E1.6 When discharges occur under Condition E1, the licensee must keep records of all items listed in Column 1 of the Table below:

No.	Column
1	Starting wet weather pond level and three month weather forecast
2	Date and time for the start and end of the discharge
3	Daily records of spillway flow depth
4	Effluent pump metre reading for the start and end of the discharge
5	Main irrigation pump metre readings for the start and end of the discharge
6	Evidence of stakeholder notification
7	Sampling records and results

E2 Precautionary Discharge Plan without dilution flow from the main dam

- E2.1 The objective of this condition is to reduce the combined wet weather storage capacity within Effluent Ponds 3, 4 and 5 (EPA identification Points 5, 6 and 7) below 147ML in any month.
- E2.2 The licensee is permitted to discharge 10L/s effluent from Ponds 3, 4 and 5 diluted with 80L/s fresh water to the approved Duncans Creek spill over point (EPA Identification Point 8).
- E2.3 When discharges occur under Condition E2, the licensee must collect effluent and creek samples for analysis in accordance with Condition M2.2.
- E2.4 The licensee must cease all discharges to Duncans Creek, permitted under Condition E2.2, when the capacity of effluent storage ponds fall to 147ML.
- E2.5 When discharges occur under Condition E2, the licensee must keep records of all items listed in Column 1 of the Table below:

No.	Column 1
1	Starting wet weather pond level and immediate weather forecast
2	Date and time for the start and end of the discharge

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3	Effluent pump metre reading for the start and end of the discharge
4	Main irrigation pump metre readings for the start and end of the discharge
5	Evidence of stakeholder notification
6	Sampling records and results

E3 Controlled Discharge when effluent storage is close to capacity

- E3.1 The objective of this condition is to reduce the combined wet weather storage capacity within Effluent Ponds 3, 4 and 5 (EPA identification Points 5, 6 and 7) below 149ML in any month.
- E3.2 The licensee is permitted to discharge 40L/s effluent from Ponds 3, 4 and 5 combined with 50L/s fresh water to the approved Duncans Creek spill over point (EPA Identification Point 8).
- E3.3 The licensee must collect effluent and creek samples for analysis in accordance with Condition M2.2.
- E3.4 The licensee must cease all discharges to Duncans Creek, permitted under Condition E3.2, when the capacity of effluent storage ponds fall to 149ML.
- E3.5 When discharges occur under Condition E3, the licensee must keep records of all items listed in Column 1 of the Table below:

1	Starting wet weather pond level and three month we
2	Date and time for the start and end of the discharge
3	Effluent pump metre reading for the start and end of the discharge
4	Main irrigation pump metre readings for the start and end of the discharge
5	Evidence of stakeholder notification
6	Sampling records and results

E4 Site Management Plan

- E4.1 The licensee must implement and maintain a Site Management Plan ("Plan") as described in *Environmental Guidelines: Use of Effluent by Irrigation (DECC, 2004)*. The Plan must detail all aspects of the Precautionary Discharge Plan, as described in the Effluent Management System Review (EPA ref. DOC17/498926) including:
- the process for analysing the strength and quantity of effluent
 - monitoring procedures and protocols
 - factors taken into account before any discharge event
 - measures to ensure precautionary discharge frequency and volumes are no greater than

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predicted design overflow

e. procedures for the review and amendment of the Plan.

E4.2 After 2 years of operation, the licensee must check and verify the accuracy of the assumptions used in the Effluent Management System Modelling provided in the *Base Farm Dairy Effluent Management System Review*.

E4.3 The review, as described in condition E4.2 must be submitted to metro.regulation@epa.nsw.gov.au no later than 2 January 2020.

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Dictionary

General Dictionary

3DGM [in relation to a concentration limit]	Means the three day geometric mean, which is calculated by multiplying the results of the analysis of three samples collected on consecutive days and then taking the cubed root of that amount. Where one or more of the samples is zero or below the detection limit for the analysis, then 1 or the detection limit respectively should be used in place of those samples
Act	Means the Protection of the Environment Operations Act 1997
activity	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
actual load	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
AM	Together with a number, means an ambient air monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
AMG	Australian Map Grid
anniversary date	The anniversary date is the anniversary each year of the date of issue of the licence. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
annual return	Is defined in R1.1
Approved Methods Publication	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
assessable pollutants	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
BOD	Means biochemical oxygen demand
CEM	Together with a number, means a continuous emission monitoring method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .
COD	Means chemical oxygen demand
composite sample	Unless otherwise specifically approved in writing by the EPA, a sample consisting of 24 individual samples collected at hourly intervals and each having an equivalent volume.
cond.	Means conductivity
environment	Has the same meaning as in the Protection of the Environment Operations Act 1997
environment protection legislation	Has the same meaning as in the Protection of the Environment Administration Act 1991
EPA	Means Environment Protection Authority of New South Wales.
fee-based activity classification	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
general solid waste (non-putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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flow weighted composite sample	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
general solid waste (putrescible)	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
grab sample	Means a single sample taken at a point at a single time
hazardous waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
licensee	Means the licence holder described at the front of this licence
load calculation protocol	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
local authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
material harm	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
MBAS	Means methylene blue active substances
Minister	Means the Minister administering the Protection of the Environment Operations Act 1997
mobile plant	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
motor vehicle	Has the same meaning as in the Protection of the Environment Operations Act 1997
O&G	Means oil and grease
percentile [in relation to a concentration limit of a sample]	Means that percentage [eg.50%] of the number of samples taken that must meet the concentration limit specified in the licence for that pollutant over a specified period of time. In this licence, the specified period of time is the Reporting Period unless otherwise stated in this licence.
plant	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
pollution of waters [or water pollution]	Has the same meaning as in the Protection of the Environment Operations Act 1997
premises	Means the premises described in condition A2.1
public authority	Has the same meaning as in the Protection of the Environment Operations Act 1997
regional office	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
reporting period	For the purposes of this licence, the reporting period means the period of 12 months after the issue of the licence, and each subsequent period of 12 months. In the case of a licence continued in force by the Protection of the Environment Operations Act 1997, the date of issue of the licence is the first anniversary of the date of issue or last renewal of the licence following the commencement of the Act.
restricted solid waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
scheduled activity	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
special waste	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
TM	Together with a number, means a test method of that number prescribed by the <i>Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales</i> .

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TSP	Means total suspended particles
TSS	Means total suspended solids
Type 1 substance	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
Type 2 substance	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
utilisation area	Means any area shown as a utilisation area on a map submitted with the application for this licence
waste	Has the same meaning as in the Protection of the Environment Operations Act 1997
waste type	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Mr Tim Gilbert

Environment Protection Authority

(By Delegation)

Date of this edition: 03-April-2002

End Notes

- 1 Licence varied by notice 1052293, issued on 05-Oct-2005, which came into effect on 30-Oct-2005.
- 2 Licence varied by correction to LGA record, issued on 03-Apr-2006, which came into effect on 03-Apr-2006.
- 3 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 4 Licence varied by notice 1500817 issued on 04-Nov-2011
- 5 Licence varied by notice 1530968 issued on 21-Sep-2015
- 6 Licence varied by notice 1547470 issued on 16-Mar-2017
- 7 Licence varied by notice 1555769 issued on 17-Jan-2018