



Environment Protection Licence

Licence - 1100

Licence Details	
Number:	1100
Anniversary Date:	28-February

Licensee
A.J. BUSH & SONS (MANUFACTURES) PTY LTD
42-50 PARRAMATTA ROAD
HOME BUSH NSW 2140

Premises
A.J. BUSH & SONS (MANUFACTURES) PTY LTD
WINDSOR ROAD
RIVERSTONE NSW 2765

Scheduled Activity
Livestock processing activities
Waste storage

Fee Based Activity	Scale
Rendering or fat extraction	> 4000 T annual production capacity
Waste storage - other types of waste	Any other types of waste stored

Contact Us
NSW EPA
6 Parramatta Square
10 Darcy Street
PARRAMATTA NSW 2150
Phone: 131 555
Email: info@epa.nsw.gov.au
Locked Bag 5022
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:

A.J. BUSH & SONS (MANUFACTURES) PTY LTD
42-50 PARRAMATTA ROAD
HOME BUSH NSW 2140

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 processing activities	Rendering or fat extraction	> 4000 T annual production capacity
Waste storage	Waste storage - other types of waste	Any other types of waste stored

A1.2 This licence authorises the transport of waste.

A1.3 The activities are listed according to their scheduled activity classification, fee-based activity classification and the scale of the operation (if relevant).

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 processing activities	Rendering or fat extraction	> 4000 T annual production capacity
Waste storage	Waste storage - other types of waste	Any other types of waste stored

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
A.J. BUSH & SONS (MANUFACTURES) PTY LTD
WINDSOR ROAD
RIVERSTONE
NSW 2765
LOT 93 DP 1287203

A3 Information supplied to the EPA

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- 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.

- 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	Effluent irrigation discharge point	Effluent irrigation discharge point	Pond 5a - effluent pond discharge pump origin to irrigation area, as per "Figure 5 - Irrigation Plan" included within the EIMP, CM9 doc ref DOC22/778749-1
2	Effluent irrigation discharge point	Effluent irrigation discharge point	Pond 6 - effluent pond discharge pump origin to irrigation area, as per "Figure 5 - Irrigation Plan" included within the EIMP, CM9 doc ref DOC22/778749-1
3	Effluent irrigation discharge point	Effluent irrigation discharge point	Pond 5 - effluent pond discharge pump origin to irrigation area, as per "Figure 5 - Irrigation Plan" included within the EIMP, CM9 doc ref DOC22/778749-1
5	Soil monitoring of effluent irrigation areas		BH01A - Borehole located within effluent irrigation area 4 as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.

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6	Soil monitoring of effluent irrigation areas	BH03 - Borehole located within effluent irrigation area 6a as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.
8	Soil monitoring of effluent irrigation areas	BH05 - Borehole located within effluent irrigation area 1 as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.
9	Soil monitoring of effluent irrigation areas	BH06 - Borehole located within effluent irrigation area 12 as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.
10	Soil monitoring of effluent irrigation areas	BH07 - Borehole located within effluent irrigation area 1B as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.
11	Soil monitoring of effluent irrigation areas	BH07A - Borehole located within effluent irrigation paddock 1, south of area 1 as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.
12	Soil monitoring of effluent irrigation areas	BH09A - Borehole located within effluent irrigation paddock 2, north of area 11 as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.
13	Soil monitoring of effluent irrigation areas	BH10A - Borehole located within effluent irrigation area 11 as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.
14	Soil monitoring of point outside effluent irrigation areas	BH13A - Borehole located outside the effluent irrigation areas, as per "Figure 5 - Irrigation Plan" included within the EIMP, doc ref DOC22/778749-1.

P1.3 The following points referred to in the table below are identified in this licence for the purposes of weather and/or noise monitoring and/or setting limits for the emission of noise from the premises.

Noise/Weather

EPA identification no.	Type of monitoring point	Location description
4	Meteorological Station	Weather monitoring station as required via PRP U1 EIMP implementation

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

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
1	kilolitres per day	700
2	kilolitres per day	700
3	kilolitres per day	700

L3 Waste

- L3.1 The licensee must not cause, permit or allow any waste to be received at the premises, except the wastes expressly referred to in the column titled "Waste" and meeting the definition, if any, in the column titled "Description" in the table below.

Any waste received at the premises must only be used for the activities referred to in relation to that waste in the column titled "Activity" in the table below.

Any waste received at the premises is subject to those limits or conditions, if any, referred to in relation to that waste contained in the column titled "Other Limits" in the table below.

This condition does not limit any other conditions in this licence.

Code	Waste	Description	Activity	Other Limits
NA	Waste - all other types	Raw animal materials, only including red meat, bone, fat, poultry, feathers and blood	Waste storage	Waste material originating from industry suppliers only

- L3.2 Wastes stockpiled at the Premises must not exceed the following volumes:

- Poultry – 450 tonnes
- Red meat – 450 tonnes
- Feathers – 200 tonnes
- Blood – 100 tonnes

- L3.3 Wastes stockpiled at the Premises must be removed and transported offsite no later than 8 days after being received at the Premises.

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L4 Potentially offensive odour

- L4.1 No condition of this licence identifies a potentially offensive odour for the purposes of section 129 of the Protection of the Environment Operations Act 1997.

Note: Section 129 of the Protection of the Environment Operations Act 1997, provides that the licensee must not cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

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:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the 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 The premises must be maintained in a condition which minimises or prevents the emission of dust from the premises.

O4 Effluent application to land

- O4.1 All effluent application to land must be undertaken in line with the most current and EPA reviewed version of the Effluent Irrigation Management Plan, as prepared by AJ Bush & Sons and as required under Conditions U1.1 - U1.6 of this licence.

- O4.2 Effluent application must not occur in a manner that causes surface runoff.

- O4.3 Spray from effluent application must not drift beyond the boundary of the premises.

- O4.4 The licensee must retain the utilisation area.

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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.

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 purpose of this condition, 'effectively utilise' include 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.

O4.7 Ruminant access to any effluent application area must be denied during irrigation for a minimum of three weeks from date of ceasing of effluent application.

O4.8 Pasture or fodder crops must not be harvested before the effluent utilization area for a minimum of three weeks from date of ceasing of effluent application.

O4.9 Pasture must not be cut lower than 50mm from the ground surface.

O4.10 Solids and sludge must be excluded from entering the effluent management system.

O4.11 Any sludge removed from effluent treatment ponds during desludging must be transported off the premises to a facility that is lawfully able to receive it and not stockpiled on the premises at any time.

O4.12 The effluent treatment ponds (Ponds 2, 3, 5, 5a and 6) must not overflow or leak.

O4.13 The effluent management system, including but not limited to irrigators, pumps, pipes, aerators, transport channels and drains must be inspected weekly. The licensee must record and retain all information related to each inspection.

O5 Processes and management

O5.1 Animal based raw product cannot be stored outside of enclosed structures. Enclosed structures include silos, mixers, sealed buildings, conveyor belts, hoppers and sealed containers.

O5.2 All doors to meat processing buildings must be closed immediately before and after the movement of plant or people through the door.

Meat Processing buildings include the Red Meat Plant, the Feather plant and the Poultry Plant as shown on Figure 1 of Notice 1584834

O5.3 All waste storage and processing must be conducted wholly within bunded and enclosed areas or buildings.

O5.4 All waste general handling must be conducted in a proper and efficient manner.

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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 1,2,3

Pollutant	Units of measure	Frequency	Sampling Method
BOD	milligrams per litre	Weekly	Grab sample
Cations	milligrams per litre	Quarterly	Grab sample
Electrical conductivity	deciSiemens per metre	Monthly	Grab sample
Nitrogen (total)	milligrams per litre	Weekly	Grab sample
Oil and Grease	milligrams per litre	Weekly	Grab sample
pH	pH	Weekly	Grab sample
Phosphorus (total)	milligrams per litre	Weekly	Grab sample
Sodium Adsorption Ratio	milliequivalents per litre	Quarterly	Grab sample
Total dissolved solids	milligrams per litre	Quarterly	Grab sample
TSS	milligrams per litre	Monthly	Grab sample

POINT 5,6,8,9,10,11,12,13,14

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Pollutant	Units of measure	Frequency	Sampling Method
Ammonia	milligrams per kilogram	Yearly	Special Method 1
Cation Exchange Capacity	millequivalents per 100 grams	Yearly	Special Method 1
Electrical conductivity	microsiemens per metre	Yearly	Special Method 1
Exchangeable sodium percentage	percent	Yearly	Special Method 1
Nitrate	milligrams per kilogram	Yearly	Special Method 1
Nitrite	milligrams per kilogram	Yearly	Special Method 1
Nitrogen (total)	milligrams per kilogram	Yearly	Special Method 1
Organic carbon	parts per million	Yearly	Special Method 1
pH	pH	Yearly	Special Method 1
Phosphate	milligrams per kilogram	Yearly	Special Method 1
Phosphorus (total)	milligrams per kilogram	Yearly	Special Method 1
Phosphorus Sorption Capacity	phosphorus sorption capacity of soil	Yearly	Special Method 1
Saturated Hydraulic Conductivity	millimetres per hour	Yearly	Special Method 1
Soil texture	Visible	Yearly	Visual Inspection
Structure	Visible	Yearly	Visual Inspection

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.

M3.2 For the purpose of the table(s) above, Special Method 1 means that representative composite soil samples are to be collected from the top soils (0-20 cm) yearly; and from the subsoils (20-40 cm; 40-70 cm and 70-100 cm, positioned within major soil horizons or layers) every 2 years.

M4 Weather monitoring

M4.1 At the point(s) identified below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 1 of the table below, using the corresponding sampling method, units of measure, averaging period and sampling frequency, specified opposite in the Columns 2, 3, 4 and 5 respectively.

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POINT 4

Parameter	Sampling method	Units of measure	Averaging period	Frequency
Rainfall	Continuously	millimetres	24 hours	Daily
Wind Direction at 10 metres	Continuously	Degrees	24 hours	Daily
Wind Speed at 10 metres	Continuously	metres per second	24 hours	Daily
Sigma theta	AM-4	Degrees	24 hours	Daily
Temperature at 10 metres	Continuously	degrees Celsius	24 hours	Daily
Total Solar Radiation	Continuously	Watts per square metre	24 hours	Daily

M5 Recording of pollution complaints

M5.1 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.

M5.2 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.

M5.3 The record of a complaint must be kept for at least 4 years after the complaint was made.

M5.4 The record must be produced to any authorised officer of the EPA who asks to see them.

M6 Telephone complaints line

M6.1 The licensee must operate during its operating hours a telephone complaints line for the purpose of 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.

M6.2 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.

M6.3 The preceding two conditions do not apply until 3 months after: the date of the issue of this licence.

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M7 Requirement to monitor volume or mass

M7.1 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 1

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	No method specified

POINT 2

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	No method specified

POINT 3

Frequency	Unit of Measure	Sampling Method
Daily during any discharge	kilolitres per day	No method specified

M8 Other monitoring and recording conditions

M8.1 The licensee must maintain a record regarding all wastes received at the facility and must clearly detail the following for each load of waste transported to and/or from the premises:

- (a) the registration number of the vehicle transporting waste to and/or from the premises;
- (b) the amount (in tonnes) of waste received or transported/disposed to/from the facility;
- (c) the source/destination of the waste;
- (d) the classification of the waste; and
- (e) the date of receipt/dispatch of waste to/from the premises.

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 notification that the Annual Return is due.

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

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.

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.

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.

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

R2 Notification of environmental harm

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 they became aware of the incident.

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

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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 such an event; and
 - 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 The licence must be available for inspection by any employee or agent of the licensee operating the vehicle.
- G1.2 A copy of this licence must be kept at the premises to which the licence applies.
- G1.3 The licence must be produced to any authorised officer of the EPA who asks to see it.
- G1.4 The licence must be available for inspection by any employee or agent of the licensee working at the premises.

G2 Signage

- G2.1 The location of EPA point number(s) 1 - 3 and 5 - 14 must be clearly marked by signs that indicate the point identification number used in this licence and be located as close as practical to the point.

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8 Pollution Studies and Reduction Programs

U1 Effluent Irrigation Management Plan

- U1.1 The licensee must action the Effluent Irrigation Management Plan (the EIMP), for all land on which the licensee proposes to use, or is currently using for effluent irrigation.
- U1.2 Actioning the EIMP must be consistent with the Environmental Guideline 'Use of Effluent by Irrigation DEC 2004', ("the Effluent Guidelines"). In accordance with the prepared EIMP, the licensee must:
- Collect relevant local environmental data to inform site management and modelling inputs;
 - Target nutrient loads in soils by removing cropped plants offsite to remove the nutrient in the plant biomass; and
 - Monitor water transfers, pond water levels, overflows and irrigation schedules to inform future water balance assessments and to prevent excessive overflow or over irrigation.
- U1.3 The licensee must review the EIMP within one (1) month of any of the following:
- An Annual Return;
 - Any incident relating to irrigation;
 - An audit report; and
 - Any modifications made to operational practices at the premise that relate to irrigation.
- A summary of any EIMP review must be submitted to the EPA within three (3) months of the completed review for comment. The EIMP must be updated to include any recommended measures identified during these reviews.
- U1.4 The licensee must update the EIMP within one (1) month of any changes to the ownership of land that is irrigated upon or that is included within the EIMP. Updates to the EIMP must be submitted to the EPA for comment and must include:
- The terms of any agreement entered into by the buyer and licensee that relate to changes to the ownership of land currently owned by the licensee;
 - The terms of any agreement entered into by the buyer and licensee that relate to changes to current irrigation processes implemented by the licensee; and
 - Proposed changes to effluent management and mitigation processes that will occur due to the sale of the land
- U1.5 Any revisions or updates made to the EIMP must be assessed against relevant environmental guidelines and legislation, with specific consideration to the Environmental Guideline 'Use of Effluent by Irrigation DEC 2004', ("the Effluent Guidelines"). Any revisions or updates proposed to the EIMP must be submitted in writing to the EPA for review and comment by email to info@epa.nsw.gov.au and addressed to the following:

Director Regulatory Operations Metro
 Locked Bag 5022
 Parramatta NSW 2124
info@epa.nsw.gov.au

- U1.6 By 30 June 2024, the Effluent Irrigation Management Plan (EIMP) as required under conditions U1.1 to U1.5 must be updated to:
- address the issues outlined by the EPA in the letter dated 10 March 2023 (reference DOC22/876949-15).
 - include updated local environmental data collected as required under conditions M2.2, M4.1 and M7.1 of

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this licence;

c) present updated site water and nutrient balances, as supported by the new environmental data and using appropriate modelling inputs. Modelling must demonstrate a 1 in 10 year on average overflow frequency and the adequateness of available land area;

d) assess the effectiveness of the implemented EIMP against relevant environmental guidelines in achieving sustainable effluent irrigation use at the premises. If this assessment shows that effluent irrigation is not sustainable at the premises under the current EIMP, the EIMP must be updated to include a mitigation plan to adjust the site water and nutrient management systems to achieve the sustainable effluent irrigation use at the premise; and

e) Update the EIMP into an action-based plan that removes current environmental assessment elements and includes standard operating procedures and action-based triggers for sustainable effluent irrigation management.

The updated EIMP must be submitted in writing for review and comment to the EPA by email at info@epa.nsw.gov.au. The updated EIMP must be addressed to the following:

Director Regulatory Operations Metro
 Locked Bag 5022
 Parramatta NSW 2124
info@epa.nsw.gov.au

U2 Wastewater treatment system

U2.1 By **5pm 15 March 2024**, the Licensee must take all necessary steps to ensure that:

a) The wastewater treatment system at the Premises (including all associated plant and equipment and the wastewater ponds) is operated in a proper and efficient manner, and maintained in a proper and efficient condition, and that odours generated by the wastewater treatment system are minimised.

b) Ponds 5, 5a, and 6 are aerobic and will remain aerobic, to minimise odours.

c) Ponds 2 and 3 are each restored to full operational capacity (being a minimum of 80% of their design capacity) through sludge removal with the crust remaining intact and remain at full operational capacity to minimise odour.

d) CAL 1 and CAL 2 are each restored to full operational capacity (being a minimum of 80% of their design capacity) and remain at full operational capacity.

e) There is a monitoring regime in place that includes biochemical oxygen demand (BOD) / chemical oxygen demand (COD) and oil and grease – at the outlets of the factory wastewater mixing tank, CAL 1, CAL 2, Pond 2, Pond 3, Pond 5, Pond 5a and Pond 6 – at a frequency of minimum twice weekly. All samples must be analysed by a laboratory accredited by the National Association of Testing Authorities (NATA) for those analytes.

U2.2 Commencing **5pm on the 29 December 2023**, until completion of conditions U2.1(a-e), provide to the EPA by **5pm on Friday of each week** a progress summary on conditions U2.1(a-e), and actions in place to minimise odour.

U2.3 By **5pm 30 March 2024**, provide evidence (in the form of a report prepared by a suitably qualified and independent consultant) that conditions U2.1(a-e), have been complied with. The report must:

a) present and use data derived from monitoring required at condition U2.1(e) of this notice; and

b) present data demonstrating that a minimum of 80% of the design capacity of Pond 2, Pond 3, CAL 1 and CAL 2 has been achieved.

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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
Wellhead	Has the same meaning as in Schedule 1 to the Protection of the Environment Operations (General) Regulation 2021.

Mr Tim Gilbert

Environment Protection Authority

(By Delegation)

Date of this edition: 09-October-2000

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End Notes

- 1 Licence varied by change to premises address, issued on 18-May-2001, which came into effect on 18-May-2001.
- 2 Licence varied by notice 1011896, issued on 06-May-2002, which came into effect on 31-May-2002.
- 3 Licence varied by notice 1020686, issued on 21-May-2003, which came into effect on 05-Jun-2003.
- 4 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 5 Licence varied by notice 1095658, issued on 12-Dec-2008, which came into effect on 12-Dec-2008.
- 6 Licence varied by notice 1118850, issued on 02-Sep-2010, which came into effect on 02-Sep-2010.
- 7 Licence varied by change to Scheduled Activity name, issued on 09-Feb-2011, which came into effect on 09-Feb-2011.
- 8 Licence varied by notice 1524627 issued on 13-Oct-2014
- 9 Licence varied by notice 1573186 issued on 15-Feb-2019
- 10 Licence varied by notice 1584834 issued on 31-Jan-2020
- 11 Licence varied by notice 1604174 issued on 20-Jan-2021
- 12 Licence varied by notice 1613024 issued on 20-Oct-2021
- 13 Licence varied by notice 1619490 issued on 16-Aug-2022
- 14 Licence varied by notice 1623211 issued on 10-Mar-2023
- 15 Licence varied by notice 1635358 issued on 21-Dec-2023
- 16 Licence varied by notice 1636102 issued on 22-Mar-2024