

# Environment Protection Licence



Licence - 5810

## Licence Details

Number:	5810
Anniversary Date:	01-June

## Licensee

CARGILL AUSTRALIA LIMITED  
 PO BOX 215  
 HUNTER REGION MAIL CENTRE NSW 2310

## Premises

CARGILL AUSTRALIA LIMITED  
 51 RAVEN STREET  
 KOORAGANG NSW 2304

## Scheduled Activity

Agricultural Processing  
 Shipping in Bulk

## Fee Based Activity

## Scale

General agricultural processing	> 100000-250000 T processed
Shipping in bulk	0-100000 T loaded and unloaded

## Region

North - Hunter  
 Ground Floor, NSW Govt Offices, 117 Bull Street  
 NEWCASTLE WEST NSW 2302  
 Phone: (02) 4908 6800  
 Fax: (02) 4908 6810  
 PO Box 488G NEWCASTLE  
 NSW 2300

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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:

<b>CARGILL AUSTRALIA LIMITED</b>
<b>PO BOX 215</b>
<b>HUNTER REGION MAIL CENTRE NSW 2310</b>

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
Agricultural Processing	General agricultural processing	> 100000 - 250000 T processed
Shipping in Bulk	Shipping in bulk	0 - 100000 T loaded and unloaded

### A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
CARGILL AUSTRALIA LIMITED
51 RAVEN STREET
KOORAGANG
NSW 2304
AS SHOWN ON THE PLAN TITLED "EPA LICENCE CARGILL KOORAGANG ISLAND", PREPARED BY ADW JOHNSON, SHEET 1 OF 3, VERSION H DATED 15/8/2014 (EPA REF. DOC14/180702). THE PREMISES ALSO INCLUDES THE PIPELINE SHOWN AND MARKED AS "SEED OIL PIPE LINE" ON THE PLAN TITLED "EPA LICENCE CARGILL KOORAGANG ISLAND", PREPARED BY ADW JOHNSON, SHEET 2 OF 3, VERSION H DATED 15/8/2014 (EPA REF. DOC14/180702). THE PREMISES ALSO INCLUDES THE PIPELINE SHOWN AND MARKED AS "CARGILL OIL PIPELINE LICENCE" AND THE AREA MARKED AND SHOWN AS "CARGILL AUSTRALIA LEASE" ON THE PLAN TITLED "EPA LICENCE CARGILL KOORAGANG ISLAND", PREPARED BY ADW JOHNSON, SHEET 3 OF 3, VERSION H DATED 15/8/2014 (EPA REF. DOC14/180702).

### A3 Other activities

A3.1 This licence applies to all other activities carried on at the premises, including:

#### Ancillary Activity

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## Sewage Treatment Systems

### A4 Information supplied to the EPA

A4.1 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 points referred to in the table below are identified in this licence for the purposes of monitoring and/or the setting of limits for the emission of pollutants to the air from the point.

#### Air

EPA identification no.	Type of Monitoring Point	Type of Discharge Point	Location Description
1	Discharge to air Air emissions monitoring	Discharge to air Air emissions monitoring	15MW Boiler at northern end of preparation building, shown as "Point 1" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
2	Air emissions monitoring		Final Vent in extraction building, shown as "Point 2" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
4	Air emissions monitoring		Meal Grinding Dust Collection Stack at meal grinding building, shown as "Point 4" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
10	Discharge to air Air emissions monitoring	Discharge to air Air emissions monitoring	High Pressure Boiler at refinery building, shown as "Point 10" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).

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11	Discharge to air Air emissions monitoring	Discharge to air Air emissions monitoring	3MW Boiler, shown as "Point 11" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
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P1.2 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.

P1.3 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
6	Groundwater quality monitoring		Groundwater monitoring well, shown as "Point 6" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
7	Groundwater quality monitoring		Groundwater monitoring well, shown as "Point 7" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
8	Groundwater quality monitoring		Groundwater monitoring well, shown as "Point 8" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
9	Groundwater quality monitoring		Groundwater monitoring well, shown as "Point 9" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
12	Discharge to utilisation area Effluent quality and volume monitoring	Discharge to utilisation area Effluent quality and volume monitoring	Effluent from wastewater treated plant, shown as "Point 12", applied to Irrigation Areas A, C and D shown on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).



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13	Discharge to utilisation area Effluent quality and volume monitoring	Discharge to utilisation area Effluent quality and volume monitoring	Effluent from sewage treatment plant, shown as "Point 13", applied to Irrigation Area B shown on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
14	Soil monitoring		Soil monitoring within "Irrigation Area A" shown as "Point 14" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
15	Soil monitoring		Soil monitoring within "Irrigation Area B" shown as "Point 15" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
16	Soil monitoring		Soil monitoring within "Irrigation Area D" shown as "Point 16" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).
17	Soil monitoring		Soil monitoring within "Irrigation Area C" shown as "Point 17" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 1 of 3, Version H dated 15/8/2014 (EPA ref. DOC14/180702).

## 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 Concentration limits

L2.1 For each monitoring/discharge point or utilisation area specified in the table below (by a point number), the concentration of a pollutant discharged at that point, or applied to that area, must not exceed the concentration limits specified for that pollutant in the table.

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L2.2 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\.

L2.3 Air Concentration Limits

## POINT 1,10,11

Pollutant	Units of measure	100 percentile concentration limit	Reference conditions	Oxygen correction	Averaging period
Nitrogen Oxides	milligrams per cubic metre	350	Dry, 273K, 101.3kPa	7%	

## 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 Potentially offensive odour

L4.1 The licensee must not cause or permit the emission of offensive odour beyond the boundary of the premises.

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.

L4.2 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.

## L5 Other limit conditions

### Operational limits

L5.1 The licensee must not process more than 250,000 tonnes of agricultural produce per year at the premises.

L5.2 The licensee must not operate the wharf and associated facilities at the premises for the bulk loading or unloading of more than 100,000 tonnes of agricultural crop products, rock, ores, minerals or chemicals per year.

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## 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.

O3.2 All operations and activities occurring at the premises must be carried out in a manner that will minimise the emission of dust from the premises.

O3.3 Trucks entering and leaving the premises that are carrying loads of dust generating materials must have their loads covered at all times, except during loading and unloading.

### O4 Effluent application to land

O4.1 The quantity of effluent applied to the utilisation area(s) must not exceed the capacity of the utilisation area(s) to effectively utilise the effluent.

For the purpose of this condition, “effectively utilise” includes the ability of the soil to absorb the nutrient, salt and hydraulic loads and the applied organic material without causing harm to the environment.

O4.2 Effluent application to the utilisation area(s) must not occur in a manner that causes surface run-off from the utilisation area(s).

O4.3 Spray from effluent application to the utilisation area(s) must not drift beyond the boundary of the utilisation area(s) to which it has been applied.

O4.4 Irrigation of treated effluent and wastewater must not be carried out if soil moisture conditions are such that surface runoff or ponding is likely to occur.

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- O4.5 The utilisation areas must be maintained in a proper and efficient condition so as to provide adequate percolation, evaporation and transpiration of the treated effluent and wastewater.
- O4.6 The volume of treated effluent and wastewater directed to the utilisation areas must not exceed the capacity of the respective areas to assimilate the effluent and wastewater.
- O4.7 The licence must not surface irrigate sewage from the Aerated Wastewater Treatment System at the premises.
- O4.8 The Aerated Wastewater Treatment System must be inspected by an appropriate service agent at least once a month.

## O5 Emergency response

- O5.1 Within 3 months of the date of the issue of this licence, the licensee must develop, or update, an emergency response plan which documents the procedures to deal with all types of incidents (e.g. spill, explosions or fire) that may occur at the premises or outside of the premises (e.g. during transfer) which are likely to cause harm to the environment.

## O6 Processes and management

- O6.1 All above ground tanks containing material that is likely to cause environmental harm must be bunded or have an alternative spill containment system in place.
- O6.2 Bunds must:
  - a) have walls and floors constructed of impervious materials;
  - b) be of sufficient capacity to contain 110% of the volume of the tank (or 110% volume of the largest tank where a group of tanks are installed);
  - c) have floors graded to a collection sump; and
  - d) not have a drain valve incorporated in the bund structure,or be constructed and operated in a manner that achieves the same environmental outcome.

## O7 Waste management

- O7.1 The licensee must ensure that any liquid and/or non liquid waste generated and/or stored at the premises is assessed and classified in accordance with the EPA's Waste Classification Guidelines as in force from time to time.
- O7.2 The licensee must ensure that waste identified for recycling is stored separately from other waste.
- O7.3 All sewage from the Cargill's Oil Terminal located at the Kooragang No. 3 Berth, marked and shown as "Cargill Australia Lease" on the plan titled "EPA Licence Cargill Kooragang Island", prepared by ADW Johnson, Sheet 3 of 3, Version G dated 2/7/2014 (EPA ref. DOC14/120490), must:
  - a) not be land applied or disposed at the the premises; and
  - b) be removed from the premises by a licensed waste transporter and taken to a facility that is able to

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lawfully receive and reuse or dispose of it.

## O8 Other operating conditions

- O8.1 The licensee must ensure that activities are conducted in an environmentally satisfactory manner. So as to minimise and prevent the pollution of air and water the licensee must:
- (a) Ensure that vehicles or containers prior to leaving the premises are clean and sealed in a manner that will not cause materials or wastes used in conducting the activities at the premises to be tracked, thrown from, blown, fall, or cast from any vehicle or container onto a public road.
  - (b) The licensee must have in place and implement procedures to ensure that vehicles and containers exiting the premises are in a condition to ensure that materials are not tracked, thrown, blown, fall or cast onto a public road.

## 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:
- a) in a legible form, or in a form that can readily be reduced to a legible form;
  - b) kept for at least 4 years after the monitoring or event to which they relate took place; and
  - c) 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:
- a) the date(s) on which the sample was taken;
  - b) the time(s) at which the sample was collected;
  - c) the point at which the sample was taken; and
  - d) 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 Air Monitoring Requirements

#### POINT 1,10,11

Pollutant	Units of measure	Frequency	Sampling Method
Moisture	percent	Yearly	TM-22

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Nitrogen Oxides	milligrams per cubic metre	Yearly	TM-11
Oxygen (O2)	percent	Yearly	TM-25
Temperature	degrees Celsius	Yearly	TM-2
Volumetric flowrate	cubic metres per second	Yearly	TM-2

## POINT 4

Pollutant	Units of measure	Frequency	Sampling Method
Moisture	percent	Yearly	TM-22
Odour	odour units	Yearly	Other Approved Method 7
Temperature	Kelvin	Yearly	TM-2
Velocity	metres per second	Yearly	TM-2
Volumetric flowrate	cubic metres per second	Yearly	TM-2

## M2.3 Water and/ or Land Monitoring Requirements

### POINT 6,7,8,9

Pollutant	Units of measure	Frequency	Sampling Method
Calcium	milligrams per litre	Every 6 months	Grab sample
Conductivity	microsiemens per centimetre	Every 6 months	Grab sample
Magnesium	milligrams per litre	Every 6 months	Representative sample
Nitrate	milligrams per litre	Every 6 months	Grab sample
Nitrogen (total)	milligrams per litre	Every 6 months	Representative sample
pH	pH	Every 6 months	Grab sample
Phosphorus (total)	milligrams per litre	Every 6 months	Grab sample
Sodium	milligrams per litre	Every 6 months	Representative sample
Standing Water Level	metres	Every 6 months	In situ
Sulfate	milligrams per litre	Every 6 months	Grab sample
Total dissolved solids	milligrams per litre	Every 6 months	Grab sample
Total Kjeldahl Nitrogen	milligrams per litre	Every 6 months	Representative sample

### POINT 12

Pollutant	Units of measure	Frequency	Sampling Method
Organochlorine pesticides	milligrams per litre	Yearly	Representative sample
Organophosphate pesticides	milligrams per litre	Yearly	Representative sample

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## POINT 12,13

Pollutant	Units of measure	Frequency	Sampling Method
Arsenic	milligrams per litre	Yearly	Representative sample
Cadmium	milligrams per litre	Yearly	Representative sample
Calcium	milligrams per litre	Quarterly	Representative sample
Chloride	milligrams per litre	Quarterly	Representative sample
Chromium	milligrams per litre	Yearly	Representative sample
Conductivity	microsiemens per centimetre	Quarterly	Representative sample
Copper	milligrams per litre	Yearly	Representative sample
Lead	milligrams per litre	Yearly	Representative sample
Magnesium	milligrams per litre	Quarterly	Representative sample
Nickel	milligrams per litre	Yearly	Representative sample
Nitrogen (total)	milligrams per litre	Quarterly	Representative sample
Oil and Grease	milligrams per litre	Quarterly	Representative sample
pH	pH	Quarterly	Representative sample
Phosphorus (total)	milligrams per litre	Quarterly	Representative sample
Potassium	milligrams per litre	Quarterly	Representative sample
Sodium	milligrams per litre	Quarterly	Representative sample
Sodium Adsorption Ratio	sodium adsorption ratio	Quarterly	Representative sample
Zinc	milligrams per litre	Yearly	Representative sample

## POINT 13

Pollutant	Units of measure	Frequency	Sampling Method
Enterococci	colony forming units per 100 millilitres	Quarterly	Representative sample
Faecal Coliforms	colony forming units per 100 millilitres	Quarterly	Representative sample

## POINT 14,15,16,17

Pollutant	Units of measure	Frequency	Sampling Method
Bray phosphorus	milligrams per kilogram	Yearly	Special Method 1
Cation Exchange Capacity	centimoles of positive charge per kilogram of soil	Yearly	Special Method 1
Chloride	milligrams per kilogram	Yearly	Special Method 1
Colwell phosphorus	milligrams per kilogram	Yearly	Special Method 1
Conductivity	deciSiemens per metre	Yearly	Special Method 1
Exchangeable calcium	centimoles of positive charge per kilogram of soil	Yearly	Special Method 1
Exchangeable magnesium	centimoles of positive charge per kilogram of soil	Yearly	Special Method 1
Exchangeable potassium	centimoles of positive charge per kilogram of soil	Yearly	Special Method 1

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Exchangeable sodium	centimoles of positive charge per kilogram of soil	Yearly	Special Method 1
Moisture	percent	Yearly	Special Method 1
Nitrate	milligrams per kilogram	3 years	Special Method 1
Nitrogen (total)	milligrams per kilogram	3 years	Special Method 1
Nitrogen Oxides	milligrams per kilogram	3 years	Special Method 1
pH	pH	Yearly	Special Method 1
Phosphorus (total)	milligrams per kilogram	3 years	Special Method 1
Phosphorus Sorption Capacity	milligrams per kilogram	3 years	Special Method 1
Total Kjeldahl Nitrogen	milligrams per kilogram	3 years	Special Method 1

M2.4 For the purposes of the table(s) above Special Method 1 means that, for each irrigation area, representative composite samples must be taken of: (a) top soils; and, (b) sub soils.

### M3 Testing methods - concentration limits

- M3.1 Monitoring for the concentration of a pollutant emitted to the air required to be conducted by this licence must be done in accordance with:
- any methodology which is required by or under the Act to be used for the testing of the concentration of the pollutant; or
  - if no such requirement is imposed by or under the Act, any methodology which a condition of this licence requires to be used for that testing; or
  - if no such requirement is imposed by or under the Act or by a condition of this licence, any methodology approved in writing by the EPA for the purposes of that testing prior to the testing taking place.
- M3.2 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.

Note: The *Protection of the Environment Operations (Clean Air) Regulation 2010* requires testing for certain purposes to be conducted in accordance with test methods contained in the publication "Approved Methods for the Sampling and Analysis of Air Pollutants in NSW".

### 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:
- the date and time of the complaint;
  - the method by which the complaint was made;
  - any personal details of the complainant which were provided by the complainant or, if no such details



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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 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.

M5.4 The licensee must nominate to the EPA a representative of the company that is available at all times and is capable of providing immediate assistance or response during emergencies or any other incidents at the premises. The name of the nominated representative and their contact details, including their telephone number, must be current at all times.

The nomination and contact details must be provided to the EPA's Regional Manager- Hunter at PO Box 488G, Newcastle NSW 2300.

Note: This condition does not apply until two (2) weeks after the date of issue of the Notice adding this condition to the 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 12

Frequency	Unit of Measure	Sampling Method
Daily	kilolitres	By Calculation (volume flow rate or pump capacity multiplied by operating time)

### POINT 13

Frequency	Unit of Measure	Sampling Method
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Daily	kilolitres	By Calculation (volume flow rate or pump capacity multiplied by operating time)
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Note: The requirement to monitor the volume discharged from Point 13 does not come into effect until 31 January 2014.

## 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:
- a Statement of Compliance; and
  - a Monitoring and Complaints Summary.
- 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.
- R1.3 Where this licence is transferred from the licensee to a new licensee:
- 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
  - 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:
- in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
  - 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 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 Statement of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- the licence holder; or
  - 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.

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## 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.

## 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 the incident occurred.

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.

## R3 Written report

R3.1 Where an authorised officer of the EPA suspects on reasonable grounds that:

- a) where this licence applies to premises, an event has occurred at the premises; or
- b) 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:

- a) the cause, time and duration of the event;
- b) the type, volume and concentration of every pollutant discharged as a result of the event;
- c) 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;
- d) 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;
- e) action taken by the licensee in relation to the event, including any follow-up contact with any complainants;
- f) details of any measure taken or proposed to be taken to prevent or mitigate against a recurrence of 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.

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## 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.

### G2 Other general conditions

#### G2.1 Completed Pollution Studies and Reduction Programs (PRPs)

PRP	Description	Completed Date
Develop site specific odour levels for the stacks	Develop site specific odour levels for the stacks on the premise in order to control odour emissions from the premises.	27-July-2001
Odour Mitigation Works	Construction of a biofilter to mitigate potentially offensive odours, with post commissioning testing of the effectiveness of the biofilter.	27-December-2012
PRP 3 - Modelling of Biofilter Emissions	Modelling of emissions from the biofilter to assess its effectiveness and demonstrate conformance with guideline criteria at sensitive receptor locations.	30-September-2013
PRP 4 - Investigation to Reduce Irrigation Volumes	Investigation to identify and assess the feasibility of available options to reduce the volume of treated sewage and treated wastewater irrigated at the premises to ensure it is effectively utilised.	17-April-2015

## 8 Pollution Studies and Reduction Programs

### U1 PRP 5 - Design of Wastewater Treatment System Upgrades

- U1.1 The licensee must undertake the design of the proposed modification of the existing wastewater treatment plant to improve water quality to a level suitable for using recycled water in the facility's cooling towers, biofilter humidifier and potentially the DC scrubber; and with the residual waste stream from recycling operations and the on site sewage treatment system to be discharged to sewer.

By 1 February 2016 the licensee must submit the necessary approval documentation to the NSW Department of Planning and Environment seeking development consent under the NSW *Environmental Planning and Assessment Act 1979* in respect of the above proposed modification works.

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The licensee must provide written notification to the EPA's Regional Manager - Hunter, at PO Box 488G, Newcastle NSW 2300 or by email to [hunter.region@epa.nsw.gov.au](mailto:hunter.region@epa.nsw.gov.au), advising the submission of the above approval documentation to the NSW Department of Planning and Environment.

Date for completion: 1 April 2016.

## 9 Special Conditions

### E1 Odour complaints

- E1.1 The licensee or its employees must notify the EPA of the details of every odour complaint received, the action taken to identify the source and the action taken to control the odour within 24 hours of receiving the complaint.

### E2 Positioning of sampling ports

- E2.1 All stack air emission points on the premises must be designed to accommodate and be built with sampling ports that conform with TM-1 of the *Approved Methods for the Sampling and Analysis of Air Pollutants in New South Wales, August 2005*.

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## Dictionary

### General Dictionary

<b>3DGM [in relation to a concentration limit]</b>	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
<b>Act</b>	Means the Protection of the Environment Operations Act 1997
<b>activity</b>	Means a scheduled or non-scheduled activity within the meaning of the Protection of the Environment Operations Act 1997
<b>actual load</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>AM</b>	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> .
<b>AMG</b>	Australian Map Grid
<b>anniversary date</b>	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.
<b>annual return</b>	Is defined in R1.1
<b>Approved Methods Publication</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>assessable pollutants</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>BOD</b>	Means biochemical oxygen demand
<b>CEM</b>	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> .
<b>COD</b>	Means chemical oxygen demand
<b>composite sample</b>	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.
<b>cond.</b>	Means conductivity
<b>environment</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>environment protection legislation</b>	Has the same meaning as in the Protection of the Environment Administration Act 1991
<b>EPA</b>	Means Environment Protection Authority of New South Wales.
<b>fee-based activity classification</b>	Means the numbered short descriptions in Schedule 1 of the Protection of the Environment Operations (General) Regulation 2009.
<b>general solid waste (non-putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997

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<b>flow weighted composite sample</b>	Means a sample whose composites are sized in proportion to the flow at each composites time of collection.
<b>general solid waste (putrescible)</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>grab sample</b>	Means a single sample taken at a point at a single time
<b>hazardous waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>licensee</b>	Means the licence holder described at the front of this licence
<b>load calculation protocol</b>	Has the same meaning as in the Protection of the Environment Operations (General) Regulation 2009
<b>local authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>material harm</b>	Has the same meaning as in section 147 Protection of the Environment Operations Act 1997
<b>MBAS</b>	Means methylene blue active substances
<b>Minister</b>	Means the Minister administering the Protection of the Environment Operations Act 1997
<b>mobile plant</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>motor vehicle</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>O&amp;G</b>	Means oil and grease
<b>percentile [in relation to a concentration limit of a sample]</b>	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.
<b>plant</b>	Includes all plant within the meaning of the Protection of the Environment Operations Act 1997 as well as motor vehicles.
<b>pollution of waters [or water pollution]</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>premises</b>	Means the premises described in condition A2.1
<b>public authority</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>regional office</b>	Means the relevant EPA office referred to in the Contacting the EPA document accompanying this licence
<b>reporting period</b>	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.
<b>restricted solid waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>scheduled activity</b>	Means an activity listed in Schedule 1 of the Protection of the Environment Operations Act 1997
<b>special waste</b>	Has the same meaning as in Part 3 of Schedule 1 of the Protection of the Environment Operations Act 1997
<b>TM</b>	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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<b>TSP</b>	Means total suspended particles
<b>TSS</b>	Means total suspended solids
<b>Type 1 substance</b>	Means the elements antimony, arsenic, cadmium, lead or mercury or any compound containing one or more of those elements
<b>Type 2 substance</b>	Means the elements beryllium, chromium, cobalt, manganese, nickel, selenium, tin or vanadium or any compound containing one or more of those elements
<b>utilisation area</b>	Means any area shown as a utilisation area on a map submitted with the application for this licence
<b>waste</b>	Has the same meaning as in the Protection of the Environment Operations Act 1997
<b>waste type</b>	Means liquid, restricted solid waste, general solid waste (putrescible), general solid waste (non - putrescible), special waste or hazardous waste

Mr Trevor Henderson

Environment Protection Authority

(By Delegation)

Date of this edition: 23-May-2001



# Environment Protection Licence

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## End Notes

- 1 Licence varied by notice 1019867, issued on 15-Aug-2002, which came into effect on 09-Sep-2002.
- 2 Licence varied by notice 1032215, issued on 07-Nov-2003, which came into effect on 02-Dec-2003.
- 3 Licence varied by notice 1074152, issued on 09-Jul-2007, which came into effect on 09-Jul-2007.
- 4 Licence varied by repair to Annual Return Archive, issued on 18-Jul-2007, which came into effect on 18-Jul-2007.
- 5 Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
- 6 Licence varied by notice 1501731 issued on 30-Nov-2011
- 7 Licence varied by notice 1513276 issued on 12-Jun-2013
- 8 Licence varied by notice 1517409 issued on 02-Dec-2013
- 9 Licence varied by notice 1523495 issued on 29-Aug-2014
- 10 Licence varied by notice 1527941 issued on 21-Jan-2015
- 11 Licence varied by notice 1529542 issued on 31-Mar-2015
- 12 Licence fee period changed by notice 1527837 on 27-May-2015
- 13 Licence fee period changed by notice 1528027 on 31-May-2015
- 14 Licence varied by notice 1533816 issued on 26-Oct-2015
- 15 Licence varied by notice 1537050 issued on 14-Jan-2016