



Environment Protection Licence

Licence - 1942

<u>Licence Details</u>	
Number:	1942
Anniversary Date:	01-January

<u>Licensee</u>
CENTRAL COAST COUNCIL
PO BOX 20
WYONG NSW 2259

<u>Premises</u>
BATEAU BAY SEWAGE TREATMENT SYSTEM
THE ENTRANCE ROAD
BATEAU BAY NSW 2261

<u>Scheduled Activity</u>
Sewage treatment

<u>Fee Based Activity</u>	<u>Scale</u>
Sewage treatment processing by small plants	> 5000-10000 ML annual maximum volume of discharge

<u>Contact Us</u>
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



Environment Protection Licence

Licence - 1942

INFORMATION ABOUT THIS LICENCE	4
Dictionary	4
Responsibilities of licensee	4
Variation of licence conditions	4
Duration of licence	4
Licence review	4
Fees and annual return to be sent to the EPA	4
Transfer of licence	5
Public register and access to monitoring data	5
1 ADMINISTRATIVE CONDITIONS	6
A1 What the licence authorises and regulates	6
A2 Premises or plant to which this licence applies	6
A3 Information supplied to the EPA	6
2 DISCHARGES TO AIR AND WATER AND APPLICATIONS TO LAND	7
P1 Location of monitoring/discharge points and areas	7
3 LIMIT CONDITIONS	8
L1 Pollution of waters	8
L2 Load limits	8
L3 Concentration limits	9
L4 Volume and mass limits	10
L5 Waste	10
L6 Potentially offensive odour	10
4 OPERATING CONDITIONS	11
O1 Activities must be carried out in a competent manner	11
O2 Maintenance of plant and equipment	11
O3 Emergency response	11
O4 Processes and management	12
O5 Waste management	12
O6 Other operating conditions	12
5 MONITORING AND RECORDING CONDITIONS	13
M1 Monitoring records	13
M2 Requirement to monitor concentration of pollutants discharged	13
M3 Testing methods - concentration limits	14
M4 Testing methods - load limits	15
M5 Recording of pollution complaints	15



Environment Protection Licence

Licence - 1942

M6	Telephone complaints line	15
M7	Requirement to monitor volume or mass	16
M8	Requirement to record bypass incidents from sewage treatment plants	16
M9	Other monitoring and recording conditions	17
6	REPORTING CONDITIONS	17
R1	Annual return documents	17
R2	Notification of environmental harm	19
R3	Written report	19
R4	Other notifications	19
R5	Annual system performance report	20
R6	Other reporting conditions	21
7	GENERAL CONDITIONS	21
G1	Copy of licence kept at the premises or plant	21
G2	Contact number for incidents and responsible employees	21
G3	Signage	21
8	POLLUTION STUDIES AND REDUCTION PROGRAMS	22
U1	Pollution Reduction Study 1 - Ecological and Human Health Investigations into Impacts of Bateau Bay Ocean	22
U2	Implementation of Improved Odour Controls	22
DICTIONARY		23
	General Dictionary	23

Environment Protection Licence

Licence - 1942

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).



Environment Protection Licence

Licence - 1942

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:

CENTRAL COAST COUNCIL
PO BOX 20
WYONG NSW 2259

subject to the conditions which follow.



Environment Protection Licence

Licence - 1942

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
Sewage treatment	Sewage treatment processing by small plants	> 5000 - 10000 ML annual maximum volume of discharge

A1.2 The objectives of this licence are to:

- a) prevent as far as practicable sewage overflows and sewage treatment plant bypasses;
- b) require proper and efficient management of the system to minimise harm to the environment and public health; and
- c) require practical measures to be taken to protect the environment and public health from sewage overflows and sewage treatment plant effluent.

A1.3 This licence is to be construed in a manner that will promote the objectives referred to in the condition above.

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
BATEAU BAY SEWAGE TREATMENT SYSTEM
THE ENTRANCE ROAD
BATEAU BAY
NSW 2261
LOT 1 DP 614688
AS SHOWN ON PREMISE PLAN TITLED "BATEAU BAY SEWAGE TREATMENT WORKS CADASTRAL DETAILS" SUBMITTED TO THE EPA ON 28 JULY 2017, EPA REFERENCE NUMBER DOC17/393658

A2.2 The premises also includes the reticulation system owned and operated by the licensee that is associated with the sewage treatment plant(s) identified in condition A2.1.

A3 Information supplied to the EPA



Environment Protection Licence

Licence - 1942

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		Discharge to waters	Outlet of the ocean outfall structure 2400 metres east of Bateau Bay STP on the edge of a rock shelf 60 metres north of Bateau Bay Beach, as labelled 'Discharge Point - Point 1' on map titled "Licensed Premises Information" dated 7/10/21 at DOC21/926434
2	Volume monitoring		Magnetic Flow Meter Pit shown as '1942 Volume Monitoring Point 2' on map titled "Licensed Premises Information" dated 19/10/21 at DOC21/926434
3	Effluent quality monitoring		Inlet channel to the chlorine contact tank labelled as '1942 Effluent Quality Monitoring Point 3' on map titled "Licensed Premises Information" dated 19/10/21 at DOC21/926434



Environment Protection Licence

Licence - 1942

4	Volume monitoring	The four effluent disposal pumps from the chlorine contact tank to the ocean outfall tunnel labelled as '1942 Volume Monitoring Point 4' on map titled "Licensed Premises Information" dated 19/10/21 at DOC21/926434
5	Ambient water monitoring	The waters of Shelly Beach labelled as 'Ambient Water Monitoring Point 5' on map titled "Licensed Premises Information" dated 7/10/21 at DOC21/926434
6	Ambient water monitoring	The waters of Toowoyn Bay labelled as 'Ambient Water Monitoring Point 6' on map titled "Licensed Premises Information" dated 7/10/21 at DOC21/926434
7	Ambient water monitoring	The waters of Blue Bay labelled as 'Ambient Water Monitoring Point 7' on map titled "Licensed Premises Information" dated 7/10/21 at DOC21/926434
8	Ambient water monitoring	The waters of Blue Lagoon labelled as 'Ambient Water Monitoring Point 8' on map titled "Licensed Premises Information" dated 7/10/21 at DOC21/926434

P1.3 The following point(s) in the table below are identified in this licence for the purpose of the monitoring of weather parameters at the point(s).

EPA Identification No.	Type of Monitoring Point	Description of Location
9	Weather Monitoring	Rain Gauge located at Bateau Bay Sewage Treatment Plant

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.
- L1.2 The licensee may only discharge untreated or partially treated sewage from the sewage treatment plant and/or the reticulation system subject to the conditions of this licence, including Sections O1 and O2.

L2 Load limits

- L2.1 The actual load of an assessable pollutant discharged from the premises during the reporting period must not exceed the load limit specified for the assessable pollutant in the table below.



Environment Protection Licence

Licence - 1942

L2.2 The actual load of an assessable pollutant must be calculated in accordance with the relevant load calculation protocol.

Assessable Pollutant	Load limit (kg)
BOD (Coastal Water)	
Nitrogen (total) (Coastal Water)	75745.00
Oil and Grease (Coastal Water)	10862.00
Phosphorus (total) (Coastal Water)	
Total suspended solids (Coastal Water)	17788.00

Note: The load limits referred to in condition L2.1 do not apply to discharges from the reticulation system.

Note: An assessable pollutant is a pollutant which affects the licence fee payable for the licence.

L3 Concentration limits

- L3.1 For each monitoring/discharge point or utilisation area specified in the table/s 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.
- L3.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L3.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table/s.
- L3.4 Water and/or Land Concentration Limits

POINT 3

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
Ammonia	milligrams per litre				30
BOD	milligrams per litre				30
Oil and Grease	milligrams per litre				10
pH	pH	-	-	-	6.5-8.5



Environment Protection Licence

Licence - 1942

Total suspended solids	milligrams per litre	50
------------------------	----------------------	----

Note: The EPA intends on reviewing the Ammonia concentration limit in this licence after 1 January 2024, which allows for 2 years of monitoring data to be analysed, with a view for reducing the permitted 100 percentile concentration limit.

L4 Volume and mass limits

L4.1 For each discharge point or utilisation area specified below (by a point number), the volume/mass of:
a) liquids discharged to water; or;
b) 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	36000

L5 Waste

- L5.1 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.
- L5.2 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.
- L5.3 The licensee may receive and/or transfer sewage and liquid waste generated outside the premises for treatment, processing or reprocessing at the premises. The licensee must take reasonable steps to ensure that sewage and liquid waste received at the premises has been lawfully discharged in accordance with a trade waste agreement or customer contract (as applicable) in force between the licensee and the generator of the waste. The licensee must treat, process or reprocess the sewage and liquid waste in accordance with this licence prior to discharge from the premises.
- L5.4 The licensee may receive, store, treat, process or reprocess and/or transfer at the premises sewage products generated or stored outside the premises by the licensee’s other sewage treatment systems. Sewage products must be received, treated, processed or reprocessed in accordance with this licence.

L6 Potentially offensive odour

L6.1 No condition in 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

Environment Protection Licence

Licence - 1942

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.

Note: The requirements of O1.1 apply to the whole of the premises, including the reticulation system.

Note: This condition does not apply to the reuse or disposal of biosolids by the licensee at locations other than the premises.

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.

Note: The requirements of O2.1 apply to the whole of the premises, including the reticulation system.

O3 Emergency response

O3.1 In the event of an overflow or bypass that harms or is likely to harm the environment, the licensee must use all practicable measures to minimise the impact of the overflow or bypass on the environment and public health. These measures are to be implemented as soon as practical after the licensee or one of the licensee's employees or agents becomes aware of the overflow or bypass.

Note: The licensee must maintain, and implement as necessary, a current Pollution Incident Response Management Plan (PIRMP) for the premises. The licensee must keep the incident response plan on the premises at all times. The incident response plan must document systems and procedures to deal with all types of incidents (e.g. spills, explosions or fire) that may occur at the premises or that may be associated with activities that occur at the premises and which are likely to cause harm to the environment.

The PIRMP must be tested at least annually or following a pollution incident.

The licensee must develop the Pollution Incident Response Management Plan in accordance with the requirements in Part 5.7A of the Protection of the Environment Operations (POEO) Act 1997 and POEO regulations.



Environment Protection Licence

Licence - 1942

O4 Processes and management

O4.1 The licensee must ensure that any extensions to the reticulation system are planned, designed, constructed and installed to prevent as far as practicable overflows from the premises.

Note: “The premises” includes both the new and the previously existing parts of the sewage treatment system.

O4.2 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.

O4.3 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.

O5 Waste management

Appropriate Treatment Process

O5.1 Sewage or effluent must not be discharged from Point(s) 1 unless it has been treated in accordance with the requirements of the table below.

The flows noted in the table below are the inflows to the premises' sewage treatment plant(s).

Required Treatment Process	Flow Range
Screening, degritting, primary sedimentation, secondary treatment and disinfection	All liquid waste inflow

O5.2 Biosolids sludge received at the premises must be stored, treated, processed, classified, transported and disposed in accordance with the *EPA’s Environmental Guidelines: Use and Disposal of Biosolids and Biosolids Products (1997)*.

O6 Other operating conditions

O6.1 Prohibition on acceptance of pesticides

The licensee must not consent to the receipt of organochlorine pesticides (including dieldrin, heptachlor and chlordane) into the sewage treatment system.

O6.2 New sewage pumping stations



Environment Protection Licence

Licence - 1942

Dry weather overflows resulting in pollution of waters from any sewage pumping station(s) installed within the sewage treatment system are not permitted.

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 Water and/ or Land Monitoring Requirements

POINT 3

Pollutant	Units of measure	Frequency	Sampling Method
Aldrin	micrograms per litre	Special Frequency 1	Grab sample
alpha-BHC	micrograms per litre	Special Frequency 1	Grab sample
Ammonia	milligrams per litre	Fortnightly	Composite sample
beta-BHC	micrograms per litre	Special Frequency 1	Grab sample
BOD	milligrams per litre	Fortnightly	Composite sample
Cadmium	micrograms per litre	Special Frequency 1	Grab sample
Chlordane (cis & trans)	micrograms per litre	Special Frequency 1	Grab sample
Chromium	micrograms per litre	Special Frequency 1	Grab sample

Environment Protection Licence

Licence - 1942

Copper	micrograms per litre	Special Frequency 1	Grab sample
Dieldrin	micrograms per litre	Special Frequency 1	Grab sample
Endosulfan	micrograms per litre	Special Frequency 1	Grab sample
Endrin	micrograms per litre	Special Frequency 1	Grab sample
gamma-BHC (Lindane)	micrograms per litre	Special Frequency 1	Grab sample
Heptachlor	micrograms per litre	Special Frequency 1	Grab sample
Heptachlor epoxide	micrograms per litre	Special Frequency 1	Grab sample
Hexachlorobenzene	micrograms per litre	Special Frequency 1	Grab sample
Lead	micrograms per litre	Special Frequency 1	Grab sample
Mercury	micrograms per litre	Special Frequency 1	Grab sample
Methoxychlor	micrograms per litre	Special Frequency 1	Grab sample
Oil and Grease	milligrams per litre	Fortnightly	Composite sample
p,p-DDD	micrograms per litre	Special Frequency 1	Grab sample
p,p-DDE	micrograms per litre	Special Frequency 1	Grab sample
p,p-DDT	micrograms per litre	Special Frequency 1	Grab sample
pH	pH	Fortnightly	Composite sample
Polychlorinated biphenyls	micrograms per litre	Special Frequency 1	Grab sample
Selenium	micrograms per litre	Special Frequency 1	Grab sample
Total suspended solids	milligrams per litre	Fortnightly	Composite sample
Zinc	micrograms per litre	Special Frequency 1	Grab sample

POINT 5,6,7,8

Pollutant	Units of measure	Frequency	Sampling Method
Enterococci	colony forming units per 100 millilitres	Special Frequency 2	Grab sample
Faecal Coliforms	colony forming units per 100 millilitres	Special Frequency 2	Grab sample

- M2.3 For the purposes of the table(s) above Special Frequency 1 means the collection of samples twice yearly and at a minimum of five monthly intervals.
- M2.4 For the purposes of the table(s) above Special Frequency 2 means the collection of samples at least 5 times per month with the interval between sampling not less than 2 days and not more than 7 days.
- M2.5 Whenever the concentration monitoring for Total Suspended Solids and Oil and Grease indicates a concentration higher than the 90 percentile limits specified in this licence, samples must be collected daily for Total Suspended Solids and Oil and Grease on both of the the two days immediately following the day that samples were collected as required by this licence.

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

Environment Protection Licence

Licence - 1942

Publication unless another method has been approved by the EPA in writing before any tests are conducted.

M4 Testing methods - load limits

Note: Division 4 of the *Protection of the Environment Operations (General) Regulation 2022* requires that monitoring of actual loads of assessable pollutants listed in L2.2 must be carried out in accordance with the relevant load calculation protocol set out for the fee-based activity classification listed in the Administrative Conditions of this licence.

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.
- M6.4 For the purpose of condition M5.1, operating hours are defined as twenty-four hours a day, seven days a week.
- M6.5 The public notification referred to in condition M5.2 must include specific reference to the fact that the complaints line may be used by the community for the reporting of overflows.



Environment Protection Licence

Licence - 1942

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 2

Frequency	Unit of Measure	Sampling Method
Continuous	kilolitres per day	Flow meter and continuous logger

M7.2 Equipment used to monitor the volume must provide data that is within 5 percent of the actual volume over the likely full range of flow required to be measured by the equipment.

M7.3 In the event that the licensee cannot comply with a volume monitoring method as required by this licence solely due to the failure or malfunction of essential monitoring equipment, volume may be estimated using another agreed method approved in writing by the EPA. This provision only applies for the duration of the failure or malfunction. The licensee is to rectify the failure or malfunction as soon as practicable.

M7.4 The licensee must:

- a) submit in writing to the EPA a proposal for a method of volume estimation; or
- b) use a method of volume estimation already approved in writing by the EPA,

to be used in the event that essential monitoring equipment referred to in the previous condition has failed or malfunctioned.

M7.5 For the purposes of this licence, the alternative volume monitoring method approved by the EPA is as follows;

For each monitoring point specified in the table below the licensee must monitor the volume of liquid discharged at the frequency and using the method and units of measure, specified below.

EPA Identified Point	Frequency	Unit of Measure	Sampling Method
4	Continuous	kL/day	By calculation (volume flow rate or pump capacity multiplied by operating time.)

M8 Requirement to record bypass incidents from sewage treatment plants

M8.1 The licensee must record the following details in respect of each bypass of any of the appropriate treatment processes required by condition O5 which may be reasonably expected to adversely affect the quality of the final discharge:

- a) the EPA point identification number through which the bypass discharged;



Environment Protection Licence

Licence - 1942

- b) the date, estimated start time and estimated duration of the bypass;
- c) the estimated volume of the bypass;
- d) the level of treatment of the sewage at the STP prior to discharge;
- e) the probable cause of the bypass;
- f) any actions taken to stop the bypass happening; and
- g) any actions taken to prevent the bypass happening again.

M8.2 The licensee must record the following details in relation to each observed or reported overflow from the reticulation system and from the sewage treatment plant:

- a) the location of the overflow;
- b) the date, estimated start time and estimated duration of the overflow;
- c) the estimated volume of the overflow;
- d) a description of the receiving environment of the overflow;
- e) classification as a dry or wet weather overflow;
- f) the probable cause of the overflow;
- g) any actions taken to stop the overflow happening;
- h) any actions taken to clean up the overflow; and
- i) any actions taken to prevent the overflow happening again.

M9 Other monitoring and recording conditions

M9.1 Biosolids at the premises must be recorded, monitored and classified in accordance with the Biosolids Guidelines, to the extent that those Guidelines are applicable, or as otherwise approved in writing by the EPA.

Note: This condition does not apply to the reuse or disposal of biosolids by the licensee at locations other than the premises.

M9.2 For each monitoring point specified in the table below, the licensee must monitor (by sampling and obtaining results by analysis) the parameters specified in Column 2 at the monitoring point(s) specified. The licensee must use the sampling method, units of measure, averaging period and sample at the frequency, specified in the table below.

EPA Identified Point	Parameter and Units of Measure	Frequency	Averaging Period	Sampling Method
9	Rainfall in millimetres	Continuous	24 hour	AM - 4

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,

Environment Protection Licence

Licence - 1942

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.

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 Where the licensee is unable to complete a part of the Annual Return by the due date because the licensee was unable to calculate the actual load of a pollutant due to circumstances beyond the licensee's control, the licensee must notify the EPA in writing as soon as practicable, and in any event not later than the due date. The notification must specify:
- a) the assessable pollutants for which the actual load could not be calculated; and
 - b) the relevant circumstances that were beyond the control of the licensee.
- R1.7 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.
- R1.8 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.

Environment Protection Licence

Licence - 1942

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.

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.

R4 Other notifications

R4.1 Where either:

- a) sewage or partially treated sewage is discharged from the premises as a result of a bypass of the sewage

Environment Protection Licence

Licence - 1942

treatment plant, or:

b) an observed or reported overflow has occurred from the reticulation system, and overflow or bypass may pose a risk to public health, the licensee is to promptly give appropriate notification to any parties that are likely to be affected, including:

i) the potentially affected community;

ii) the Department of Health;

iii) the NSW Food Authority Shellfish Quality Assurance Program, where the bypass or overflow could have potential impacts on shellfish production.

R4.2 Where sewage or partially treated sewage is discharged from the premises as a result of a bypass of the sewage treatment plant, the licensee must notify Beachwatch by telephone on (02) 9995 5344 or via email at beachwatch@environment.nsw.gov.au. Notifications are to be given as soon as practicable after the licensee or one of the licensee's employees or agents become aware of the incident, and must include all relevant information including the information required under condition M8.1.

Note: These reporting requirements are in addition to the licensee's general obligation as described in condition R2 to report incidents which cause or threaten material harm to the environment. A notification may satisfy the requirements of both R2 and R4.

R5 Annual system performance report

R5.1 The licensee must supply to the EPA an Annual System Performance Report not later than 60 days after the end of each reporting period.

R5.2 The report is to supplement the Annual Return and must include but need not be limited to:

a) the 50 percentile, 90 percentile, and 100 percentile values calculated from the monitoring data required by this licence for the reporting period for each pollutant identified in Condition L3.4;

b) the total amounts of biosolids, as classified in the Biosolids Guideline, disposed of on-site, off-site and to landfill during the reporting period;

c) a diagram showing the major process elements, discharge points and monitoring points at the premises' sewage treatment plant(s), where there has been any significant change since the previous reporting period or this information has not been provided previously to the EPA;

d) the number of dry and wet weather bypasses recorded over the reporting period (recorded in accordance with condition M7);

e) a breakdown of the total number of complaints received by the licensee during the reporting period in relation to the premises into categories of "odours – sewage treatment plant", "odours – reticulation system", "water pollution – sewage treatment plant", "water pollution – reticulation system" and any other category indicated by the complaints;

f) a summary of observed, reported or recorded wet weather overflows and observed, reported or recorded dry weather overflows and sewage treatment plant bypasses. These data are to be for the current reporting period and for the four previous twelve-month periods, for which data has been collected. Any significant actions taken to address bypasses or overflows are to be noted; and

g) the amount of rainfall measured at a rain gauge at the STP, or at the rain gauge closest to the centre of the catchment of the sewage treatment system, for each month of the reporting period.

R5.3 The Annual System Performance Report must be presented in a format approved in writing by the EPA.

Environment Protection Licence

Licence - 1942

R6 Other reporting conditions

- R6.1 When the licensee notifies the Department of Health or NSW Food Authority Shellfish Quality Assurance Program of a bypass or overflow incident, the licensee must also notify the EPA by telephoning its Pollution Line service on (02)9995 5913. Notifications are to be given as soon as practicable after the licensee or one of the licensee's employees or agents becomes aware of the incident, and must include all relevant information including the information required under condition M9.1 or M8.1.

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.

Note: For the purposes of this condition, "the premises" refers to each Sewage Treatment Plant(s) described in condition A2.1.

G2 Contact number for incidents and responsible employees

- G2.1 The licensee must operate 24-hour telephone contact lines for the purpose of enabling the EPA to directly contact one or more representatives of the licensee who can:
- a) respond at all times to incidents relating to the premises; and
 - b) contact the licensee's senior employees or agents authorised at all times to:
 - i) speak on behalf of the licensee; and
 - ii) provide any information or document required under this licence.
- G2.2 The licensee is to inform the EPA in writing of the appointment of any subsequent contact persons, or changes to the person's contact details as soon as practicable and in any event within fourteen days of the appointment or change.

G3 Signage

- G3.1 The location of EPA point number(s) 2, 3, 4 and 9 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.

8 Pollution Studies and Reduction Programs

Environment Protection Licence

Licence - 1942

U1 Pollution Reduction Study 1 - Ecological and Human Health Investigations into Impacts of Bateau Bay Ocean Outfall

- U1.1 The licensee must engage a suitably qualified and experienced professional to develop a robust and best practice program that monitors any impacts to ecological or human health receptors in the receiving marine environment from effluent discharges from the Bateau Bay Ocean Outfall.

The licensee must provide the EPA with a report that demonstrates and justifies the proposed monitoring methodology against current best practice ecological methodology for monitoring ecological impacts from effluent release to the marine environment. The report must be provided to the EPA at info@epa.nsw.gov.au by no later than 30 November 2025.

The ecological and human health monitoring and assessment must be conducted 5-yearly.

The first sampling event must be completed in 2026, followed by follow-up sampling in 2031 and 2036.

Notwithstanding these dates it is anticipated the monitoring frequency and locations will be reviewed following each report.

Reports on each monitoring event must be submitted to the EPA at info@epa.nsw.gov.au by 31 December of the year the monitoring was conducted. The report must include statistical interpretation of variation, include any historical data available and an analysis of temporal trends. The report must draw conclusions as to the environmental and human health impact of the outfall and make recommendations for future monitoring and actions.

U2 Implementation of Improved Odour Controls

- U2.1 By **30 November 2024**, the Licensee must construct and implement the following works and carry on the following investigations at Bateau Bay Sewage Treatment Plant (STP):

- a) upgrade the existing Odour Control Facility at Bateau Bay STP;
- b) replacement of activated carbon media in the sedimentation tank odour control unit
- c) implement the optimisation exercise using odour data loggers at the inlet works to monitor chemical dosing effectiveness in managing odour; and
- d) investigation into a deodorisation system.

The Licensee must provide a written report to the EPA at info@epa.nsw.gov.au detailing the completion of the works and outcomes of the investigations detailed above.

Note: The EPA is aware that Central Coast Council has commenced an Odour, Corrosion and Septicity Strategy detailed in correspondence by Council on 8 September 2023.



Environment Protection Licence

Licence - 1942

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

Environment Protection Licence

Licence - 1942

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> .



Environment Protection Licence

Licence - 1942

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.

Ms Nadia Kanhoush

Environment Protection Authority

(By Delegation)

Date of this edition: 26-July-2000



Environment Protection Licence

Licence - 1942

End Notes	
1	Licence varied by notice 1011800, issued on 18-Jun-2002, which came into effect on 13-Jul-2002.
2	Licence varied by notice 1025831, issued on 25-Jun-2003, which came into effect on 20-Jul-2003.
3	Licence varied by notice 1029995, issued on 02-Jan-2004, which came into effect on 27-Jan-2004.
4	Licence varied by notice 1035309, issued on 27-Apr-2004, which came into effect on 22-May-2004.
5	EPA Condition ID S40934 amended 13-08-04
6	Licence varied by notice 1053780, issued on 13-Feb-2006, which came into effect on 10-Mar-2006.
7	Licence varied by notice 1061897, issued on 29-Aug-2006, which came into effect on 29-Aug-2006.
8	Licence varied by notice 1077942, issued on 28-Sep-2007, which came into effect on 28-Sep-2007.
9	Condition A1.3 Not applicable varied by notice issued on <issue date> which came into effect on <effective date>
10	Licence varied by notice 1509738 issued on 15-Mar-2013
11	Licence varied by notice 1546485 issued on 01-Aug-2017
12	Licence transferred through application 1558558 approved on 09-Nov-2017 , which came into effect on 09-Nov-2017
13	Licence varied by notice 1609034 issued on 21-Dec-2021
14	Licence varied by notice 1635119 issued on 04-Jan-2024