



Environment Protection Licence

Licence - 13250

<u>Licence Details</u>	
Number:	13250
Anniversary Date:	01-January

<u>Licensee</u>
HUNTER WATER CORPORATION
PO BOX 5171
HUNTER REGION MAIL CENTRE NSW 2310

<u>Premises</u>
CLARENCE TOWN WASTEWATER TREATMENT WORKS
OFF WOERDENS ROAD
CLARENCE TOWN NSW 2321

<u>Scheduled Activity</u>
Sewage treatment

<u>Fee Based Activity</u>	<u>Scale</u>
Sewage treatment processing by small plants	> 100-219 ML annual maximum volume of discharge

<u>Region</u>
Metropolitan North - Newcastle
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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:

HUNTER WATER CORPORATION
PO BOX 5171
HUNTER REGION MAIL CENTRE NSW 2310

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
Sewage treatment	Sewage treatment processing by small plants	> 100 - 219 ML annual maximum volume of discharge

A1.2 The objectives of this licence are to:

- a) require practical measures to be taken to protect public health and the environment;
- b) require proper and efficient design, construction and management of the sewage treatment system to minimise harm to public health and the environment; and
- c) minimise the frequency and volume of overflows from the reticulation system and sewage treatment plant.

A2 Premises or plant to which this licence applies

A2.1 The licence applies to the following premises:

Premises Details
CLARENCE TOWN WASTEWATER TREATMENT WORKS
OFF WOERDENS ROAD
CLARENCE TOWN
NSW 2321
LOT 113 DP 752497, LOT 114 DP 752497, LOT 108 DP 1141345, LOT 1122 DP 1144455

A3 Information supplied to the EPA

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

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

- a) the applications for any licences (including former pollution control approvals) which this licence replaces under the Protection of the Environment Operations (Savings and Transitional) Regulation 1998;
- and

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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 effluent utilisation area and effluent quality monitoring. Total volume monitoring.	Discharge to effluent utilisation area and effluent quality monitoring. Total volume monitoring.	At the effluent pumping station downstream of the Effluent Storage Pond, as per map 15246, dated 30/03/2020, filed on EPA DOC20/523226 in EF13/4189.
2	Discharge to waters	Discharge to waters	At the overflow spillway from the Effluent Storage Pond as per map 15246, dated 30/03/2020, filed on EPA DOC20/523226 in EF13/4189.
3	Ambient Water Quality Monitoring		Wallaroo Creek upstream of discharge points, Pipeline Trial Rd Creek crossing as per map 15246, dated 30/03/2020, filed on EPA DOC20/523226 in EF13/4189.
4	Ambient Water Quality Monitoring		Wallaroo Creek downstream of discharge points, Cemetery Rd Creek crossing as per map 15246, dated 30/03/2020, filed on EPA DOC20/523226 in EF13/4189.
5	Discharge to waters. Effluent quality monitoring. Total volume monitoring.		Pumped discharge to Wallaroo Creek at the flow meter near the three way valve as per map 15246, dated 30/03/2020, filed on EPA DOC20/523226 in EF13/4189.
6	Flow rate monitoring in Wallaroo Creek		Flow rate monitoring at creek gauge as shown on map 15246, dated 30/03/2020, filed on EPA DOC20/523226 in EF13/4189.

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3 Limit Conditions

L1 Pollution of waters

- L1.1 Except as may be expressly provided in any other condition of this licence, the licensee must comply with section 120 of the Protection of the Environment Operations Act 1997.
- 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 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.
- L2.2 Where a pH quality limit is specified in the table, the specified percentage of samples must be within the specified ranges.
- L2.3 To avoid any doubt, this condition does not authorise the pollution of waters by any pollutant other than those specified in the table\.
- L2.4 Water and/or Land Concentration Limits

POINT 2,5

Pollutant	Units of Measure	50 percentile concentration limit	90 percentile concentration limit	3DGM concentration limit	100 percentile concentration limit
BOD	milligrams per litre		30		-
Nitrogen (total)	milligrams per litre		30		-
Oil and Grease	milligrams per litre				10
pH	pH		6.5 - 8.5		-
TSS	milligrams per litre		40		-

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L3 Volume and mass limits

- L3.1 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	2800

- L3.2 Discharges to Wallaroo Creek via Points 2 and 5 must only occur at a maximum flow rate of 30 L/s when the flow in Wallaroo Creek at Point 6 is 3000 litres per second or more.

Note: The purpose of this condition is to ensure that discharge to Wallaroo Creek via Points 2 and 5 only occurs when flows within Wallaroo Creek are sufficient to ensure dilution of effluent of 1:100 or greater.

L4 Waste

- L4.1 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.
- L4.2 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.
- L4.3 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.
- L4.4 Any grit or screenings generated on the premises that the licensee disposes of within the boundary of the premises' sewage treatment plant(s) is to be managed and disposed of in an appropriate manner that prevents as far as practicable harm to the environment.
- L4.5 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 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 Potentially offensive odour

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- L5.1 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 cause or permit the emission of any offensive odour from the premises but provides a defence if the emission is identified in the relevant environment protection licence as a potentially offensive odour and the odour was emitted in accordance with the conditions of a licence directed at minimising odour.

4 Operating Conditions

O1 Activities must be carried out in a competent manner

- O1.1 Licensed activities must be carried out in a competent manner.

This includes:

- a) the processing, handling, movement and storage of materials and substances used to carry out the activity; and
- b) the treatment, storage, processing, reprocessing, transport and disposal of waste generated by the activity.

O2 Maintenance of plant and equipment

- O2.1 All plant and equipment installed at the premises or used in connection with the licensed activity:

- a) must be maintained in a proper and efficient condition; and
- b) must be operated in a proper and efficient manner.

O3 Dust

- O3.1 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.

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.

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O5 Emergency response

- O5.1 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 PIRMP in accordance with the requirements in Part 5.7A of the Protection of the Environment Operations (POEO) Act 1997 and POEO Regulations.

O6 Processes and management

- O6.1 Additional directed overflow structures must not be constructed within the sewage treatment system unless the directed overflow structure is essential for the proper and efficient operation of the system.

Before constructing an additional directed overflow structure, the licensee must prepare a written report assessing the following issues for the purposes of this condition:

- a) risk of harm to public health, environment or property if the proposed directed overflow structure is not constructed;
- b) risk of harm to public health and the receiving environment if an overflow from the directed overflow structure occurred;
- c) systems to be used to monitor overflows, power failures or mechanical failures of pumping or electrical equipment relating to or affecting the proposed directed overflow structure; and
- d) ability of the licensee to respond to overflows from the proposed directed overflow structure and to minimise the impact on the environment and public health.

- O6.2 The report must be:

- a) kept for at least 4 years after the report is made or the directed overflow structure is constructed, whichever is later; and
- b) produced in a legible form to any authorised officer of the EPA who asks to see it.

- O6.3 Sewage or effluent discharged must not be discharged from Point(s) 1, 2 or 5 unless it has been treated in accordance with the following condition:

- (a) All sewage inflows to the sewage treatment plant must receive oxidation ponding prior to discharge from Points 1, 2 or 5.

- O6.4 The licensee must ensure that any extension to the reticulation system is planned, designed, constructed and installed to prevent as far as practicable discharges of sewage or partially treated sewage from the premises.

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Note: "The premises" includes both the new and the previously existing parts of the reticulation system.

O7 Other operating conditions

O7.1 Prohibition on acceptance of pesticides

The licensee must not consent to any discharge of organophosphate pesticides (including chlorpyrifos, diazinon, malathion) or organochlorine pesticides (including dieldrin, heptachlor and chlordane) into the sewage treatment system.

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 1

Pollutant	Units of measure	Frequency	Sampling Method
Aluminium	milligrams per litre	Yearly	Grab sample

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BOD	milligrams per litre	Monthly	Grab sample
Cadmium	milligrams per litre	Yearly	Grab sample
Chloride	milligrams per litre	Monthly	Grab sample
Chlorophyll a	milligrams per litre	Monthly	Grab sample
Chromium	milligrams per litre	Yearly	Grab sample
Conductivity	microsiemens per centimetre	Quarterly	Grab sample
Copper	milligrams per litre	Yearly	Grab sample
Faecal Coliforms	colony forming units per 100 millilitres	Monthly	Grab sample
Iron	milligrams per litre	Yearly	Grab sample
Lead	milligrams per litre	Yearly	Grab sample
Magnesium	milligrams per litre	Yearly	Grab sample
Manganese	milligrams per litre	Yearly	Grab sample
Mercury	milligrams per litre	Yearly	Grab sample
Nitrate	milligrams per litre	Monthly	Grab sample
Nitrogen (ammonia)	milligrams per litre	Monthly	Grab sample
Nitrogen (total)	milligrams per litre	Monthly	Grab sample
Oil and Grease	milligrams per litre	Monthly	Grab sample
pH	pH	Weekly	Grab sample
Potassium	milligrams per litre	Monthly	Grab sample
TP	milligrams per litre	Monthly	Grab sample
TSS	milligrams per litre	Monthly	Grab sample
Zinc	milligrams per litre	Yearly	Grab sample

POINT 2,5

Pollutant	Units of measure	Frequency	Sampling Method
BOD	milligrams per litre	Special Frequency 1	Grab sample
Chlorophyll a	milligrams per litre	Special Frequency 1	Grab sample
Nitrate	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (ammonia)	milligrams per litre	Special Frequency 1	Grab sample
Nitrogen (total)	milligrams per litre	Special Frequency 1	Grab sample
Oil and Grease	milligrams per litre	Special Frequency 1	Grab sample
pH	pH	Special Frequency 1	Grab sample
TP	milligrams per litre	Special Frequency 1	Grab sample
TSS	milligrams per litre	Special Frequency 1	Grab sample

POINT 3,4

Pollutant	Units of measure	Frequency	Sampling Method
Faecal Coliforms	colony forming units per 100 millilitres	Quarterly	Grab sample
Nitrate	milligrams per litre	Quarterly	Grab sample
Nitrogen (ammonia)	milligrams per litre	Quarterly	Grab sample
pH	pH	Quarterly	Grab sample

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TP	milligrams per litre	Quarterly	Grab sample
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Note: For the purposes of sampling for Points 2 and 5 in the table above, **Special Frequency 1** means each discharge event.

Note: For the purposes of compliance monitoring at Points 2 and 5, it is acceptable to use the sampling results undertaken at Point 1 provided the sampling has been conducted within one monthly (whichever is the specified monitoring frequency for the pollutant in Point 1) of the discharge event.

M3 Testing methods - concentration limits

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

M4 Recording of pollution complaints

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

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

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

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

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

M5 Telephone complaints line

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

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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 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.

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 1

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

POINT 2

Frequency	Unit of Measure	Sampling Method
Continuous during discharge	kilolitres per day	Electronic level sensor and continuous logger

POINT 5

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

POINT 6

Frequency	Unit of Measure	Sampling Method
Continuous during discharge	litres per day	Electronic level sensor and continuous logger

M7 Requirement to record bypass incidents from sewage treatment plants

M7.1 The licensee must record the following details in respect of each bypass of any of the appropriate treatment processes required by this licence which may adversely affect the quality of the final effluent:

- a) the EPA point identification number through which the bypass discharged;
- b) the estimated start time, date and duration of the bypass;
- c) the estimated volume of the bypass;
- d) the level of treatment at the sewage treatment plant prior to discharge; and
- e) the most likely cause of the bypass.

M7.2 Sewage treatment plant overflows

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The licensee must record the following details in relation to each overflow from the sewage treatment plant:

- a) the EPA point identification number through which the overflow discharged;
- b) the date, estimated start time and estimated duration of the overflow;
- c) the estimated volume of the overflow;
- d) the level of treatment at the sewage treatment plant prior to discharge; and
- e) the most likely cause of the overflow.

M7.3 Overflows from the reticulation system

From commissioning the licensee must record the following details in relation to each observed or reported overflow from the reticulation system:

- 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) the most likely cause of the overflow; and
- e) actions taken to prevent the overflow happening again.

M8 Other monitoring and recording conditions

M8.1 Soil Monitoring

The licensee must undertake soil monitoring for each monitoring location as shown in "Figure 3-2 Soil Monitoring Point Locations" of the report titled "*Hunter Water Corporation: Clarence Town WWTW Monitoring Program - December 2010*". This report has been filed on EPA DOC20/523226-3 in EF13/4189.

M8.2 For each soil monitoring point referred to in this licence, the licensee must monitor the following parameters at the frequency specified in the table below.

Parameters	Unit	Frequency
Total Phosphorus	mg/kg	Every 6 months
Total Nitrogen	mg/kg	Every 6 months
pH	pH	Every 6 months
Electrical Conductivity	dS/m	Every 6 months
Sodicity	exchangeable sodium percentage	Every 6 months
Nitrate	mg/kg	Annually
Metals (Aluminium, Cadmium, Chromium, Copper, Iron, Lead, Magnesium, Mercury, Zinc, and Manganese)	mg/kg	Annually
SAR	meq/kg	Annually
P sorption capacity	kg/hectare	3 yearly

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Available Phosphorus	mg/kg	3 yearly
Pesticides	mg/kg	3 yearly

M8.3 The soil monitoring required in this licence must be conducted at four (4) soil depths for each soil monitoring point referred to in this licence. The required depths are:

- 0 - 20 cm
- 20 - 40 cm
- 40 - 70 cm
- 70 - 100 cm

Note: The EPA will, upon request from the licensee, review the frequency of monitoring as required by this licence after a period of three (3) years from the commencement of soil monitoring.

M8.4 Groundwater Monitoring

The licensee must undertake groundwater monitoring for the groundwater monitoring locations GW1, GW2, and GW3 as shown in the figure titled "Site plan of Clarence Town Effluent Reuse Scheme showing bore locations", dated 5 September 2011, provided in the Hunter Water Corporation letter, dated 22 December 2011. This figure has been filed on EPA DOC20/523226-4 in EF13/4189.

M8.5 For each groundwater monitoring point referred to in the condition above, the licensee must monitoring the following parameters at the frequency specified in the table below.

Parameter	Unit	Frequency
pH	pH	Quarterly
Electrical Conductivity	dS/m	Quarterly
Total Nitrogen	mg/L	Quarterly
Nitrate	mg/L	Quarterly
Total Phosphorous	mg/L	Quarterly
Total Potassium	mg/L	Quarterly
BOD	mg/L	Quarterly
Total Suspended Solids	mg/L	Quarterly
Faecal Coliforms	cfu/100mL	Quarterly
Turbidity	NTU	Quarterly
Chlorine	mg/L	Quarterly
Chloride	mg/L	Annually
Sodium	mg/L	Annually
Calcium	mg/L	Annually
Lead	mg/L	Annually
Magnesium	mg/L	Annually

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SAR	v (meq/L)	Annually
Manganese	mg/L	Annually
Arsenic	mg/L	Annually
Aluminium	mg/L	Annually
Cadmium	mg/L	Annually
Copper	mg/L	Annually
Chromium	mg/L	Annually
Iron	mg/L	Annually
Zinc	mg/L	Annually
Mercury	mg/L	Annually
Pesticides	mg/L	Annually

6 Reporting Conditions

R1 Annual return documents

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

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

At the end of each reporting period, the EPA will provide to the licensee notification that the Annual Return is due.

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

R1.2 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.

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

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- R1.4 Where this licence is surrendered by the licensee or revoked by the EPA or Minister, the licensee must prepare an Annual Return in respect of the period commencing on the first day of the reporting period and ending on:
- a) in relation to the surrender of a licence - the date when notice in writing of approval of the surrender is given; or
 - b) in relation to the revocation of the licence - the date from which notice revoking the licence operates.
- R1.5 The Annual Return for the reporting period must be supplied to the EPA via eConnect *EPA* or by registered post not later than 60 days after the end of each reporting period or in the case of a transferring licence not later than 60 days after the date the transfer was granted (the 'due date').
- R1.6 The licensee must retain a copy of the Annual Return supplied to the EPA for a period of at least 4 years after the Annual Return was due to be supplied to the EPA.
- R1.7 Within the Annual Return, the Statements of Compliance must be certified and the Monitoring and Complaints Summary must be signed by:
- a) the licence holder; or
 - b) by a person approved in writing by the EPA to sign on behalf of the licence holder.

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

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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 treatment plant, or

b) an observed or reported overflow has occurred from the reticulation system,

and the overflow or bypass may result in a significant risk to public health, the licensee is to promptly give appropriate notification to any parties that are likely to be affected, such as:

i) the EPA's Pollution Line service on 131 555,

ii) the NSW Department of Public Health; and

iii) local council(s) where relevant.

R4.2 The licensee must have in place and implement an incident notification protocol. The incident notification protocol must include procedures for notification of, but not limited to, the following groups or organisations:

a) notification of the EPA's Pollution Line service on 131 555 where an overflow has occurred from either the treatment plant or the reticulation system that has discharged to a waterway or could reasonably be expected to discharge to a waterway;

b) notification of the NSW Department of Public Health for incidents of public health significance; and

c) notification of local council(s) where relevant.

For the purposes of this condition, "overflow" does not include leakage.

R4.3 Notifications required by condition R4 must include the following information:

a) the nature of the incident that led to the bypass or overflow;

b) any testing or inspections of the discharge or receiving waters that have been carried out;

c) any testing or inspections currently occurring and when results are anticipated; and

d) any other available information regarding harm or potential harm to the environment.

R4.4 The notification is to be given as soon as practicable after the licensee or one of the licensee's employees or agents becomes aware of the incident.

The notification could detail incidents in more than one location or sewage treatment system operated by the licensee.

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Note: These reporting requirements do not affect any obligations of the licensee to report under Part 5.7 of the Act incidents which cause or threaten harm to the environment.

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, 100 percentile and 3DGM values calculated from the monitoring data for each pollutant which has corresponding concentration limits specified in this licence;
- b) 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;
- c) the number of dry and wet weather bypasses recorded over the reporting period (recorded in accordance with condition M7);
- d) a summary of observed, reported or recorded sewage treatment plant bypasses and overflows. These data are to be for the current reporting period and for the previous twelve-month periods, up to a maximum of four, for which data has been required to be collected. Any significant actions taken to address bypasses or overflows are to be noted;
- e) 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;
- f) a progress report on the implementation over the reporting period of actions specified in the PRP's; and
- g) any additional structures constructed in accordance with this licence.

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

R6 Other reporting conditions

R6.1 Annual Groundwater Report

The licensee must provide an annual groundwater monitoring report no later than sixty (60) days after the end of each reporting period.

The report must include, but is not limited to, the following:

- (a) a summary table of the water quality results of the groundwater monitoring required in this licence for the reporting period;
- (b) an estimate on the total volume of treated effluent applied to the irrigation area during the reporting period;
- (c) graphical representation of each water quality parameter for each monitoring point location including values from the commencement of groundwater monitoring;
- (d) clearly identify any trends or significant variations in the water quality parameters analysed; and
- (e) details of any actions proposed in relation to any identified increases in the water quality parameters analysed, and associated timelines for any works or mitigation measures.

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R6.2 Annual Soil Monitoring Report

The licensee must provide to the EPA an annual soil monitoring report no later than sixty (60) days after the end of each reporting period for the licence.

The report must include, but is not limited to:

- (a) results of all soil monitoring required in this licence undertaken during the reporting period;
- (b) a comparison analysis of soil monitoring results obtained during the reporting period to soil monitoring results from all previous reporting periods where soil monitoring was required by the licence;
- (c) graphical representation of each soil quality parameter for each monitoring point location including values from the commencement of soil monitoring;
- (d) clearly identify any significant trends or increases in the soil monitoring parameters assessed; and
- (e) any actions or mitigation measures proposed in response to any adverse trends or variations identified in the report.

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 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 numbers 1 - 5 must be clearly marked by a sign that indicates the point identification number used in the licence and located as close as practical to the point.

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G4 Other general conditions

G4.1 Completed Pollution Studies and Reduction Programs (PRPs)

PRP	Description	Completed Date
PRP 1 - Reticulation System and Operation Maintenance Plan	Licensee must develop and implement an Operation and Maintenance Plan for the reticulation system	June 2012
PRP 2 - Sewer System Evaluation Protocol	Licensee must develop and implement a sewer system evaluation protocol to obtain data to update reticulation model predictions.	December 2011

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Dictionary

General Dictionary

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

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

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

Ms Rebecca Scrivener

Environment Protection Authority

(By Delegation)

Date of this edition: 07-July-2010

End Notes

- 1 Licence varied by notice 1122006, issued on 24-Nov-2010, which came into effect on 24-Nov-2010.
- 2 Licence varied by notice 1501318 issued on 28-Feb-2012
- 3 Licence fee period changed by notice 1516859 on 05-Sep-2013
- 4 Licence varied by notice 1527277 issued on 07-Jan-2015
- 5 Licence varied by notice 1539127 issued on 07-Apr-2016
- 6 Licence varied by notice 1540979 issued on 21-Dec-2016
- 7 Licence varied by notice 1599247 issued on 23-Sep-2020