



## ENVIRONMENT PROTECTION NOTICE No. 9207/1

Issued under the *Environmental Management and Pollution Control Act 1994*

Issued to: **TASMANIAN WATER & SEWERAGE CORPORATION PTY LTD**  
**ACN 162 220 653**  
**163 - 169 MAIN RD**  
**MOONAH TAS 7009**

Environmentally Relevant Activity: **The operation of a wastewater treatment plant (ACTIVITY TYPE: Wastewater Treatment Works)**  
**RISDON VALE WASTEWATER TREATMENT PLANT, EAST RISDON**  
**EAST RISDON TAS 7017**

### GROUNDS

I, Cindy Ong, Delegate for the Director, Environment Protection Authority, being satisfied in accordance with section 44(1)(d) of the *Environmental Management and Pollution Control Act 1994* (EMPCA) that in relation to the above-mentioned environmentally relevant activity that it is desirable to vary the conditions of a permit (see table below) hereby issue this environment protection notice to the above-mentioned person as the person responsible for the activity.

Permit No.	Date Granted	Granted By
3506	18 October 1990	Director of Environmental Control

### PARTICULARS

The particulars of the grounds upon which this notice is issued are:

- 1 The Permit conditions need to be varied to reflect updated terminology and regulatory practice, to reflect continuous improvement consistent with the objectives of EMPCA and/or to clarify the meaning of the conditions.
- 2 The permit conditions refer to The Environment Protection Act 1973 which has been repealed and replaced by the EMPCA. It is necessary to vary conditions to remove references to the repealed Act.
- 3 The permit does not contain conditions in relation to dealing with environmentally hazardous substances. Environmentally hazardous substances are likely to be stored and handled on The Land and current best practice environmental management necessitates conditions to be added for the storage and handling of environmentally hazardous substances.
- 4 The permit does not have specific and measurable limits for effluent quality for water being discharged from The Land or noise emissions from the activity. Conditions are needed to control emissions from the activity and to impose limits upon those emissions to reflect current State Policies or Environment Protection Policies.

- 5 A regulatory limit which sets the maximum scale or throughput of the activity is needed because any increase in scale or throughput may result in additional environmental impacts or emissions that were not considered at the time of granting the permit.
- 6 It is necessary to add a condition to require these conditions and associated documents to be accessible and persons working on The Land to be made aware of conditions as may be relevant to their work, to minimise environmental harm and/or nuisance.
- 7 It is necessary to add a condition requiring a public complaints register to be maintained so that the Director can appraise the frequency and characteristics of complaints which may indicate nuisance, should any complaints be received.
- 8 The permit condition requiring the person responsible to take action to minimise environmental harm if an incident occurs is maintained.
- 9 Conditions are needed to bring the permit into accordance with the development and planning requirements under the EMPCA and the Land Use and Planning Approvals Act 1993.
- 10 A condition requiring notification of a change of ownership of The Land is needed because this Notice may affect title to land and the new owner's interests may be affected by pollutants emitted or disturbed by the activity.
- 11 It is necessary to add a condition requiring the submission of a publicly available Annual Environmental Review to inform the Director and the public of the environmental performance of the activity.
- 12 It is necessary to add a condition requiring notification of the likely permanent cessation of the activity so that the Director has sufficient time in which to ensure that appropriate measures are in place to minimise environmental harm arising from the permanent cessation of the activity.
- 13 It is necessary to add a condition to require the submission to the Director, for approval, a Decommissioning and Rehabilitation Plan so that appropriate measures to minimise environmental harm are available to be implemented in the event of the permanent cessation of the activity.
- 14 The permit contains no requirements for ensuring that when decommissioning is undertaken, it is done in a manner to minimise environmental harm.
- 15 A condition is required to specify effluent discharge locations.
- 16 It is necessary to add a condition requiring repair of the outfall infrastructure which is damaged to ensure adequate dispersion of effluent.
- 17 The permit does not contain a condition that requires signage on land near effluent outfalls. Signage giving notice of potential public health risks is considered best practice environmental management.
- 18 Monitoring and reporting requirements set out in the permit conditions need to be varied to reflect current best practice environmental management and to require accurate measurement of emissions and their impact upon the receiving environment and to consistently inform the Director of the results of monitoring.





- 19 The permit conditions need to be varied to reflect contemporary information management practices, such as electronic submission of monitoring data.
- 20 The permit does not contain any condition involving operational procedures or contingency management. The risk of environmental harm from the activity is reduced by having documented plans and procedures in place for operating conditions likely to be experienced by the activity and by having contingency plans developed for unplanned events that may occur.
- 21 An inflow and infiltration plan is needed to ensure that best practice environmental management is applied to inflow and infiltration issues that increase the risk of unauthorised sewage discharges to the environment.
- 22 The permit does not include any fencing requirement. Fencing of the activity is required to discourage unauthorised persons from entering the site and coming into contact with sewage or any hazardous substance.
- 23 It is desirable to update the conditions to require the development, submission and implementation of a Sewage Sludge Management Plan to ensure best practice environmental management is applied to sewage sludge.
- 24 The permit does not contain conditions relating to the movement of controlled wastes. It is desirable to add a condition to reflect current best practice environmental management and to ensure the management of controlled waste in accordance with the Environmental Management and Pollution Control (Controlled Waste Tracking) Regulations 2010.

**DEFINITIONS**

Unless the contrary appears, words and expressions used in this Notice have the meaning given to them in Schedule 1 of this Notice and in the EMPCA. If there is any inconsistency between a definition in the EMPCA and a definition in this Notice, the EMPCA prevails to the extent of the inconsistency.

**REQUIREMENTS**

The person responsible for the activity must comply with the varied permit conditions as set out in Schedule 2 of this Notice.

**INFORMATION**

Attention is drawn to **Schedule 3**, which contains important additional information.

**PENALTIES**

If a person bound by an environment protection notice contravenes a requirement of the notice, that person is guilty of an offence and is liable on summary conviction to a penalty not exceeding 1000 penalty units in the case of a body corporate or 500 penalty units in any other case (at the time of issuance of this Notice one penalty unit is equal to \$157.00).

**NOTICE TAKES EFFECT**

**This notice takes effect on the date on which it is served upon you.**

**APPEAL RIGHTS**

You may appeal to the Appeal Tribunal against this notice, or against any requirement contained in the notice, within 14 days from the date on which the notice is served, by writing to:

The Chairperson  
Resource Management and Planning Appeal Tribunal  
GPO Box 2036  
Hobart TAS 7001

Signed:   
DELEGATE FOR THE DIRECTOR, ENVIRONMENT PROTECTION AUTHORITY

Date: 21 July 2017



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### Schedule 1: Definitions

**Activity** means any environmentally relevant activity (as defined in Section 3 of EMPCA) to which this document relates, and includes more than one such activity.

**Authorized Officer** means an authorized officer under section 20 of EMPCA.

**Bypass** means the discharge of untreated or partially treated effluent most commonly as a result of WWTP component failure or increased inflows to the WWTP as a result of high rainfall.

**Controlled Waste** has the meaning described in Section 3(1) of EMPCA.

**Director** means the Director, Environment Protection Authority holding office under Section 18 of EMPCA and includes a person authorised in writing by the Director to exercise a power or function on the Director's behalf.

**DRP** means Decommissioning and Rehabilitation Plan

**Effluent** means wastewater discharged from The Land.

**EMPCA** means the *Environmental Management and Pollution Control Act 1994*.

**Environmental Harm** and **Material Environmental Harm** and **Serious Environmental Harm** each have the meanings ascribed to them in Section 5 of EMPCA.

**Environmental Nuisance** and **Pollutant** each have the meanings ascribed to them in Section 3 of EMPCA.

**Environmentally Hazardous Material** means any substance or mixture of substances of a nature or held in quantities which present a reasonably foreseeable risk of causing serious or material environmental harm if released to the environment and includes fuels, oils, waste and chemicals but excludes sewage.

**Grid reference** Grid references expressed as Map Grid of Australia Zone 55G GDA94

**Inflow and Infiltration Management Plan** means the documents entitled 'TasWater Inflow and Infiltration Strategy v1.0 10/3/2016' in conjunction with the document entitled 'TasWater Inflow and Infiltration Management Plan v1.0 19/05/2016' and includes any amendment to or substitution of these documents approved in writing by the Director.

**Noise Sensitive Premises** means residences and residential zones (whether occupied or not), schools, hospitals, caravan parks and similar land uses involving the presence of individual people for extended periods, except in the course of their employment or for recreation.

**Person Responsible** is any person who is or was responsible for the environmentally relevant activity to which this document relates and includes the officers, employees, contractors, joint venture partners and agents of that person, and includes a body corporate.

**Protected Environmental Value** means a value or use for which it has been determined that a given area of the environment should be protected. There can, and often will be, more than one protected environmental value for a given area. A list of potential protected environmental values is provided in clause 7.1 of the *State Policy on Water Quality Management 1997*.

**Reporting Period** means the financial year ending on 30th June of each calendar year.

**Sewage Sludge** means concentrated solids separated from wastewater during the wastewater treatment process.

**Sewage Sludge Management Plan Guidelines** means the document of this title published by EPA Division in September 2014, and includes any subsequent versions of this document.

**Stormwater** means water traversing the surface of the land as a result of rainfall.

**Tasmanian Biosolids Reuse Guidelines** means the document of this title published by the Department of Primary Industries, Water and Environment in August 1999, and includes any subsequent versions of this document.

**Tasmanian Noise Measurement Procedures Manual** means the document titled *Noise Measurement Procedures Manual*, by the Department of Environment, Parks, Heritage and the Arts, dated July 2008, and any amendment to or substitution of this document.

**The Land** means the land on which the activity to which this document relates may be carried out, and includes: buildings and other structures permanently fixed to the land, any part of the land covered with water, and any water covering the land. The Land falls within the area defined by:

1 Certificate of Title: 153174/2; and

2 as further delineated at Attachment 1.

**Waste** has the meaning ascribed to it in Section 3 of EMPCA.

**Wastewater** means spent or used water (whether from industrial or domestic sources) containing a pollutant and includes stormwater which becomes mixed with wastewater.

**WWTP** means the wastewater treatment plant located on The Land.



## Schedule 2: Conditions

### Maximum Quantities

#### **Q1 Regulatory limits**

- 1 The activity must not exceed the following limits :
  - 1.1 1,000 kilolitres per day of design capacity to treat an average dry weather flow of sewage or wastewater

### General

#### **G1 Access to and awareness of conditions and associated documents**

A copy of these conditions and any associated documents referred to in these conditions must be held in a location that is known to and accessible to the person responsible for the activity. The person responsible for the activity must ensure that all persons who are responsible for undertaking work on The Land, including contractors and sub-contractors, are familiar with these conditions to the extent relevant to their work.

#### **G2 Incident response**

If an incident causing or threatening environmental nuisance, serious environmental harm or material environmental harm from pollution occurs in the course of the activity, then the person responsible for the activity must immediately take all reasonable and practicable action to minimise any adverse environmental effects from the incident.

#### **G3 No changes without approval**

- 1 The following changes, if they may cause or increase the emission of a pollutant which may cause material or serious environmental harm or environmental nuisance, must only take place in relation to the activity if such changes have been approved in writing by the EPA Board following its assessment of an application for a permit under the *Land Use Planning and Approvals Act 1993*, or approved in writing by the Director:
  - 1.1 a change to a process used in the course of carrying out the activity; or
  - 1.2 the construction, installation, alteration or removal of any structure or equipment used in the course of carrying out the activity; or
  - 1.3 a change in the quantity or characteristics of materials used in the course of carrying out the activity.

#### **G4 Change of ownership**

If the owner of The Land upon which the activity is carried out changes or is to change, then, as soon as reasonably practicable but no later than 30 days after becoming aware of the change or intended change in the ownership of The Land, the person responsible must notify the Director in writing of the change or intended change of ownership.

#### **G5 Complaints register**

- 1 A public complaints register must be maintained and made available for inspection by an Authorized Officer upon request. The public complaints register must, as a minimum, record the following detail in relation to each complaint received in which it is alleged that environmental harm (including an environmental nuisance) has been caused by the activity:
  - 1.1 the time at which the complaint was received;
  - 1.2 contact details for the complainant (where provided);
  - 1.3 the subject-matter of the complaint;

- 1.4 any investigations undertaken with regard to the complaint; and
  - 1.5 the manner in which the complaint was resolved, including any mitigation measures implemented.
- 2 Complaint records must be maintained for a period of at least 3 years.

#### **G6 Annual Environmental Review**

Unless otherwise approved by the Director a publicly available Annual Environmental Review must be submitted each year within 3 months of the end of the Reporting Period. The Annual Environmental Review must be prepared to the satisfaction of the Director using the latest version of the Annual Environmental Review Template which is available on request from the Director.

### **Decommissioning And Rehabilitation**

#### **DC1 Notification of cessation**

Within 30 days of becoming aware of any event or decision which is likely to give rise to the permanent cessation of the activity, the person responsible for the activity must notify the Director in writing of that event or decision. The notice must specify the date upon which the activity is expected to cease or has ceased.

#### **DC2 DRP requirements**

Unless otherwise approved in writing by the Director, a draft Decommissioning and Rehabilitation Plan (DRP) for the activity must be submitted for approval to the Director within 30 days of the Director being notified of the planned cessation of the activity or by a date specified in writing by the Director. The DRP must be prepared in accordance with any guidelines provided by the Director.

#### **DC3 Rehabilitation following cessation**

- 1 Following permanent cessation of the activity, and unless otherwise approved in writing by the Director, The Land must be rehabilitated including:
  - 1.1 stabilisation of any land surfaces that may be subject to erosion;
  - 1.2 removal or mitigation of all environmental hazards or land contamination, that might pose an on-going risk of causing environmental harm; and
  - 1.3 decommissioning of any equipment that has not been removed.
- 2 Where a Decommissioning and Rehabilitation Plan (DRP) has been approved by the Director, decommissioning and rehabilitation must be carried out in accordance with that plan, as may be amended from time to time with written approval of the Director.

### **Effluent**

#### **EF1 Effluent discharge locations**

- 1 Effluent from the activity must only be discharged at the following discharge points:
  - 1.1 Discharge to water: discharge to River Derwent at grid reference GDA94 MG55 525920E 5258570N as depicted on Attachment 1.

#### **EF2 Effluent quality limits for discharge to River Derwent**

- 1 Effluent discharged to River Derwent must comply with the effluent quality limits set out in the Table of Effluent Quality Limits for discharge to River Derwent at the Effluent Quality monitoring location specified in Attachment 2.



## 2 Table of Effluent Quality Limits for discharge to River Derwent

Column 1	Column 2	Column 3	Column 4
Substance or measure	Unit of measurement	Minimum limit	Maximum limit
Biochemical Oxygen Demand	mg/L	-	15
Suspended Solids	mg/L	-	20
Ammonia Nitrogen	mg/L	-	5
Total Nitrogen	mg/L	-	10
Total Phosphorus	mg/L	-	10
Oil and Grease	mg/L	-	5
Thermotolerant Coliforms	cfu/100mL	-	750
Total Residual Chlorine	mg/L	-	1
pH	mg/L	6.5	8.5

### EF3 Signage of discharge location

Signage must be installed and maintained on land near to outfalls to discourage recreational activities within waters immediately around the outfall. Signage is to alert the public as to the proximity and nature of the discharge.

### EF4 Inspection and repair of outfall

The person responsible must submit to the Director by 1 December 2017, or by a date otherwise specified in writing by the Director, a report detailing the findings of an inspection of the outfall pipe from the high water mark to the end of the diffuser. The report must include a commitment to undertake any necessary repairs to the outfall to ensure effluent reports to, and is emitted from, the diffuser in the manner in which the design intends, on or before 1 June 2018, or by another date specified in writing by the Director.

## Hazardous Substances

### H1 Storage and handling of hazardous materials

- 1 Unless otherwise approved in writing by the Director, environmentally hazardous materials held on The Land must be:
  - 1.1 located within impervious bunded areas, spill trays or other containment systems; and
  - 1.2 managed to prevent unauthorised discharge, emission or deposition of pollutants:
    - 1.2.1 to soils within the boundary of The Land in a manner that is likely to cause serious environmental harm;
    - 1.2.2 to groundwater;
    - 1.2.3 to waterways; or
    - 1.2.4 beyond the boundary of The Land.

## **Monitoring**

### **M1 Dealing with samples obtained for monitoring**

- 1 Any sample or measurement required to be obtained under these conditions must be taken and processed in accordance with the following:
  - 1.1 Australian Standards, NATA approved methods, the American Public Health Association Standard Methods for the Analysis of Water and Waste Water or other standard(s) approved in writing by the Director;
  - 1.2 measurement equipment must be maintained and operated in accordance with the manufacturer's specifications;
  - 1.3 samples must be tested in a laboratory accredited by the National Association of Testing Authorities (NATA), or a laboratory approved in writing by the Director, for the specified test;
  - 1.4 results of measurements and analysis of samples and details of methods employed in taking measurements and samples must be retained for at least three years after the date of collection; and
  - 1.5 noise measurements must be undertaken in accordance with the Tasmanian Noise Measurement Procedures Manual.

### **M2 Monitoring requirements**

- 1 Unless otherwise specified in writing by the Director, monitoring must be undertaken in accordance with the Table of Monitoring at Attachment 2, as follows:
  - 1.1 the items listed in Column 1 must be sampled or tested at the locations listed in Column 2 for the parameters listed in Column 3 at the frequencies listed in Column 5 using the techniques listed in Column 6; and
  - 1.2 resultant monitoring data must be reported to the Director in accordance with the requirements set out in Column 7 and in the units listed in Column 4.

### **M3 Monitoring reporting and record keeping**

- 1 Unless otherwise specified in writing by the Director, a Monthly Monitoring Report, in an electronic format approved by the Director, must be submitted to the Director within 21 days of receipt of laboratory analyses of samples collected for the previous monthly period. As a minimum, the Monthly Monitoring Report must include the following information:
  - 1.1 the laboratories at which sample analyses were carried out;
  - 1.2 contact details for a person responsible for managing monitoring programs;
  - 1.3 the estimated or measured average daily flow to the wastewater treatment plant for the previous monthly period; and
  - 1.4 for each sampling location or site test location:
    - 1.4.1 a location name which allows the location to be clearly identifiable;
    - 1.4.2 the date and time at which each sample was taken or site test conducted;
    - 1.4.3 the indicators for which analyses or tests were carried out and the units in which the results are reported; and
    - 1.4.4 the results for all sample analyses and site tests.
- 2 A record of all monthly monitoring reports submitted to the Director must be maintained and copies of all laboratory analysis reports referenced to the relevant Monthly Monitoring Reports kept for a minimum period of three years.



**M4 Flow monitoring equipment**

- 1 Flow monitoring equipment must be maintained in accurate working order in accordance with the manufacturer's specifications and, unless otherwise approved in writing by the Director, must be validated at least once every 12 months.
- 2 The dates on which flow monitoring equipment has been validated must be recorded and validation records kept for a minimum of 3 years.
- 3 For the purposes of this condition:
  - 3.1 'validate' means to undertake a set of actions including inspecting the flow monitoring equipment to check that it is installed in compliance with any relevant standards and is maintained to an acceptable state of repair, which provides an acceptable level of confidence that the flow monitoring equipment operates within an acceptable range of error under normal operating conditions.
  - 3.2 'Flow monitoring equipment' means an instrument, including a flow meter, that measures and may record a flow or level of liquid and includes any ancillary device attached to or incorporated into the instrument.

**M5 Signage of monitoring points**

With the exception of open water sampling, all monitoring points must be clearly marked to indicate the location and name of the monitoring point.

**M6 Event Recorder for Bypass**

The person responsible must install, within 12 months of the date on which these conditions take effect, an event recorder at a location which ensures that the date, time and duration of any bypass is recorded.

**Noise Control****N1 Noise emission limits**

- 1 Noise emissions from the activity when measured at any noise sensitive premises in other ownership and expressed as the equivalent continuous A-weighted sound pressure level must not exceed:
  - 1.1 50 dB(A) between 0800 hours and 1800 hours (Day time); and
  - 1.2 45 dB(A) between 1800 hours and 2200 hours (Evening time); and
  - 1.3 40 dB(A) between 2200 hours and 0800 hours (Night time).
- 2 Where the combined level of noise from the activity and the normal ambient noise exceeds the noise levels stated above, this condition will not be considered to be breached unless the noise emissions from the activity are audible and exceed the ambient noise levels by at least 5 dB(A).
- 3 The time interval over which noise levels are averaged must be 10 minutes or an alternative time interval specified in writing by the Director.
- 4 Measured noise levels must be adjusted for tonality, impulsiveness, modulation and low frequency in accordance with the Tasmanian Noise Measurement Procedures Manual.
- 5 All methods of measurement must be in accordance with the Tasmanian Noise Measurement Procedures Manual.

## Operations

### **OP1 Contingency management**

- 1 Unless otherwise approved in writing by the Director, a Contingency Management Plan must be submitted by the person responsible to the Director within 3 months of the date on which these conditions take effect or by a date specified in writing by the Director. The plan must detail measures to prevent and mitigate environmental harm if an unplanned event occurs. Unplanned events that must be addressed by the plan include:
  - 1.1 incidents, accidents, power failures and malfunctions with the potential to cause the release of effluent that does not comply with these conditions;
  - 1.2 pipe ruptures leading to discharge of wastewater;
  - 1.3 development of blue green algae (cyanobacteria) concentrations that have the potential to cause environmental harm; and
  - 1.4 fire and flooding.
- 2 The Contingency Management Plan must include communication procedures for ensuring that water users that may be adversely impacted, the general public and relevant government agencies are informed of any unplanned event to the extent necessary to allow them to take precautions against adverse impacts upon the environment, human health and livestock health.
- 3 As far as is reasonable and practicable, the Contingency Management Plan must include contact details for all water users that may be impacted by an unplanned event and must be kept up to date by the person responsible.
- 4 The person responsible must ensure that all personnel are aware of the Contingency Management Plan and their responsibilities in relation to unplanned events and have access at all times to the Contingency Management Plan.
- 5 The Contingency Management Plan must be implemented if an unplanned event occurs.

### **OP2 Operational Procedures Manual**

- 1 An Operational Procedures Manual ('the Manual') must be developed within 12 months of the date on which these conditions take effect or by a date specified in writing by the Director. The Manual must provide detailed information relating to the activity and must detail operational procedures as required to ensure compliance with these conditions.
- 2 The person responsible must take all reasonable and practicable measures to ensure that personnel, including contractors, carry out their duties in accordance with the manual.

### **OP3 Inflow and Infiltration Management Plan**

- 1 An Inflow and Infiltration ('I&I') Management Plan must be submitted annually by the person responsible to the Director for approval by 30 September each year or by a date otherwise specified in writing by the Director.
- 2 The person responsible must implement and act in accordance with the approved I&I Management Plan to the extent that it relates to the WWTP on the land.

### **OP4 Site security**

The WWTP must be fenced to prevent entry by unauthorised persons and these fences must be adequately maintained for this purpose.



## Waste Management

### **WM1 Controlled Waste Register**

- 1 A Controlled Waste Register, to document storage and movement of sewage screenings, grit material, sewage sludge and biosolids, must be maintained and made available for inspection by an Authorised Officer upon request;
- 2 The Controlled Waste Register must:
  - 2.1 keep an accurate record of type and quantity of Controlled Wastes stored on The Land, with the exception of sewage sludge contained within lagoons; and
  - 2.2 record the following detail in relation to Controlled Waste removed from The Land:
    - 2.2.1 the type of Controlled Waste;
    - 2.2.2 the quantity of Controlled Waste;
    - 2.2.3 the Controlled Waste Transporter who moved the Controlled Waste;
    - 2.2.4 the date the Controlled Waste was moved;
    - 2.2.5 the recipient of the Controlled Waste; and
    - 2.2.6 The destination address of the Controlled Waste.
- 3 Controlled Waste records must be maintained for a period of at least 3 years.

### **WM2 Sewage Sludge Management Plan**

- 1 A Sewage Sludge Management Plan must be submitted annually by the person responsible to the Director for approval by 30 September, or by a date otherwise specified in writing by the Director.
- 2 The Sewage Sludge Management Plan must be prepared in accordance with the *Sewage Sludge Management Plan Guidelines* and the *Tasmanian Biosolids Reuse Guidelines*.
- 3 The Sewage Sludge Management Plan must contain:
  - 3.1 an assessment of sewage sludge volume, collection, treatment and dewatering options for the WWTP and determination of the of the likely biosolid classification for material produced at each wastewater treatment plant;
  - 3.2 results of sludge profiling of all WWTP lagoons detailing levels of accumulated sludge;
  - 3.3 identification of strategic options to optimise collection, treatment and dewatering of sewage sludge to produce biosolids suitable for beneficial reuse;
  - 3.4 a program of works covering the next reporting period in relation to improvements to sewage sludge collection, treatment, dewatering and beneficial reuse of biosolids;
  - 3.5 a report detailing progress against works commitments made in the previous Sewage Sludge Management Plan; and
  - 3.6 revision of any components of the approved Sewage Sludge Management Plan to reflect any operational changes in relation to sewage sludge and biosolids management.
- 4 The person responsible must implement and act in accordance with the approved Sewage Sludge Management Plan.

### Schedule 3: Information

#### Legal Obligations

**LO1 Change of responsibility**

If the person responsible for the activity ceases to be responsible for the activity, they must notify the Director in accordance with Section 45 of the EMPCA.

#### Other Information

**OI1 Notification of incidents under section 32 of EMPCA**

Where a person is required by section 32 of EMPCA to notify the Director of the release of a pollutant, the Director can be notified by telephoning 1800 005 171 (a 24-hour emergency telephone number).



# ATTACHMENT 1 PLAN OF ACTIVITY FOR EPN No. 9207/1



Disclaimer: All coordinates are based on the best available information at the time of EPN issue but can only be considered accurate within a few metres

**ATTACHMENT 2: TABLE OF MONITORING REQUIREMENTS EPN No. 9207/1**

Column 1 Item	Column 2 Locations	Column 3 Parameter	Column 4 Unit of Measure	Column 5 Frequency	Column 6 Technique	Column 7 Reporting requirements			
Influent wastewater flow to the activity	WWTP Inlet Approximate grid reference E 526288 N 5259222	Flow	kL/day	Continuous measurement	On-line Flow Meter	<ol style="list-style-type: none"> <li>To be reported in the Monthly Monitoring Report as an average for the reporting period of daily flow.</li> <li>To be reported in the Monthly Monitoring Report or Annual Environmental Review as monthly averages of daily flow.</li> </ol>			
Effluent	WWTP Outlet Approximate grid reference E 526250 N 5259263	Flow	kL/day	Continuous or periodic measurement or estimate based on approved method	On-line Flow Meter	<ol style="list-style-type: none"> <li>To be reported in the Monthly Monitoring Report or Annual Environmental Review as monthly flows for each calendar month, based on daily flows for that month.</li> <li>To be included in mass load calculations within the Annual Environmental Review; mass load calculations to be based on total daily flow on the day of sampling.</li> </ol>			
		Effluent Quality Monitoring Location	pH	-	Monthly		Field Test		
		Approximate grid reference E 526246 N 5259263	Temperature	°C	Monthly		Grab sample		
			Conductivity	dS/m					
			Total Residual Chlorine	mg/L					
			Thermotolerant Coliforms	cfu/100mL					
			Enterococci	cfu/100mL					
			Biochemical Oxygen Demand	mg/L				Monthly	24 hour flow-weighted composite sample
			Suspended Solids	mg/L					
			Ammonia-Nitrogen	mg/L					
			Nitrate-Nitrogen	mg/L					
			Nitrite-Nitrogen	mg/L					
			Total Nitrogen	mg/L					
			Total Phosphorus	mg/L					
			Oil and Grease	mg/L					
			Arsenic	mg/L					
		Cadmium	mg/L						
		Chromium	mg/L						
		Copper	mg/L						
		Lead	mg/L						
Manganese	mg/L								
Mercury	mg/L								
Nickel	mg/L								
Selenium	mg/L								
Zinc	mg/L								
Wastewater treatment bypass	Bypass monitoring location (prior to disinfection)	Date and time	Date and time	When bypass occurs	Automated event recorder that logs bypasses.	<ol style="list-style-type: none"> <li>Report the following in the Annual Environmental Review:                             <ol style="list-style-type: none"> <li>Date, volume discharged, discharge location and level of treatment;</li> <li>Total number of bypasses in the reporting period.</li> </ol> </li> </ol>			
		Duration of bypass	Time (days, hours, minutes)		Automated event recorder that logs duration of bypasses.				
		Flow	Kilolitres		Automated event recorder that allows the estimation or measurement of the volume of a bypass.				
		Level of treatment prior to discharge	Primary, secondary or tertiary		Observation during the bypass.				



Column 1 Item	Column 2 Locations	Column 3 Parameter	Column 4 Unit of Measure	Column 5 Frequency	Column 6 Technique	Column 7 Reporting requirements
Sludge/Biosolids	Sludge/Biosolids located on The Land	In accordance with the Tasmanian Biosolids Reuse Guidelines 1999, or as otherwise approved by the Director.		In accordance with the Tasmanian Biosolids Reuse Guidelines 1999, or as otherwise approved by the Director.	In accordance with the Tasmanian Biosolids Reuse Guidelines 1999, or as otherwise approved by the Director.	<ol style="list-style-type: none"> <li>1. As required in the Annual Environmental Review</li> <li>2. As otherwise approved by the Director.</li> </ol>

For the purposes of the Table of Monitoring Requirements the following definitions apply:

**Flow Meter** means an instrument that measures and records a flow or level of liquid and includes any ancillary device attached to or incorporated into the instrument

**Continuous measurement** means automatic ongoing measurement at all times

**On-line** means measurements or analyses are carried out automatically and the results electronically recorded for remote viewing and analysis

**Field test/ on-site test** means either *in situ* testing or analysis of samples immediately with appropriate instrumentation

**Grab sample** means a discrete sample collected in a manner that ensures it is a representative sample

**Flow-weighted 24 hour composite sample** means a composite sample consisting of grab samples taken and mixed in such a way the sample volume is proportional to the wastewater flow or a sample collected continuously over a 24 hour period at a rate proportional to wastewater flow.

**Grid references** are expressed as Map Grid of Australia Zone 55 GDA94. Coordinates can only be considered accurate within a few metres.