

Licence

EPA VICTORIA Corporate Licence

This licence is issued under Section 20 of the Environment Protection Act 1970

LICENCE HOLDER: WESTERN REGION WATER CORPORATION

REGISTERED ADDRESS: 36 MACEDON STREET, SUNBURY VICTORIA 3429

PREMISES ADDRESSES: LISTED IN SCHEDULE 1 TO THIS LICENCE

LICENCE NUMBER: CL62130

DATE OF ISSUE: 21 MAY 2008

SCHEDULE CATEGORY: SEWAGE TREATMENT PLANTS



MAXWELL KEITH COSTELLO
MANAGER, AUTHORITY DECISIONS

This licence supports the achievement of EPA's vision:

The Victorian community living sustainably.

A community living sustainably knows the impact of the decisions it makes and the actions it takes on the environment and:

- efficiently uses and renews resources;*
- understands how what is good for the environment is good for the economy and society;*
- lives in a healthy environment that provides clean air, water and land;*
- meets the needs of today without compromising the ability of future generations to meet their needs.*



About this Corporate Licence

This EPA Victoria¹ Corporate Licence amalgamates the seven EPA licences previously held by Western Water for the Sunbury, Gisborne, Woodend, Melton, Bacchus Marsh, Romsey and Riddells Creek Recycled Water Plants. This licence streamlines conditions and reporting to deliver business efficiencies and includes actions to increase Western Water's resource efficiency.

Western Water is a regional water corporation, managing water supply, recycled water and wastewater treatment in Victoria's western metropolitan region.

This licence applies to Western Water's wastewater management facilities and the environmental impact of its operations.

This licence contains two sections:

Part 1 Sustainability Commitment sets out actions to increase the sustainability and resource efficiency of Western Water's operations and a process to identify and prioritise future actions. This voluntary commitment is a partnership between Western water and EPA, and will assist Western Water to implement its vision and purpose.

Vision: to be a leading service provider, working with our community towards a sustainable future.

Purpose: to contribute to healthy communities by meeting their current and future water needs.

To meet the vision and purpose, three strategic pathways have been developed by Western Water:

1. To drive an environmentally sustainable future
2. To proactively manage our destiny
3. To be a leading service provider as judged by our customers and the wider community.

Part 2 Environmental Performance Conditions contains the legally enforceable environmental performance conditions Western Water must comply with in undertaking its business activities. Western Water must ensure that discharges from its premises covered by this licence comply at all times with the *Environment Protection Act 1970* and relevant policies.

¹ This licence will refer to the Environment Protection Authority interchangeably as "EPA", "EPA Victoria" or "the Authority" and to the Western Region Water Corporation interchangeably as "Western Water" or "the licence holder".

PART 1

Sustainability Commitment

EPA and Western Water have identified the following opportunities and supporting actions to minimise Western Water's environmental impact.

1. Water Supply

Western Water will implement the relevant parts of its Water Plan 2008-2013 and:

- ensure it can provide safe reliable water supplies, conserve water and secure water supplies for the future
- implement water conservation programs and efficiency measures to achieve targets consistent with their Water Supply Demand Strategy ("WSDS") and Western Water's Water Plan 2008-2013
- reduce total per capita potable water consumption by twenty-five per cent by 2015 and 30 per cent by 2020
- support and promote servicing of sustainable land development through both state and local planning schemes and policies

2. Trade Waste

In partnership with EPA, Western Water will implement the Trade Waste Management Strategy by:

- adopting a new Trade Waste Management System, including a trade waste policy, procedures and the new *user pays* charging principle to encourage customers to implement resource efficient practices within their businesses and reduce trade waste volumes and loads.
- monitoring sites to ensure customers comply with their trade waste agreements, thus providing opportunities for staff and customers to discuss trade waste issues.

By June 2009, Western Water and EPA will agree to a funding schedule to help major trade waste customers minimise their trade waste generation. This schedule will outline the financial contributions of Western Water and EPA for resource efficiency projects for the ensuing two financial years. The aim of the projects is to reduce the volume and contamination of the trade waste.

3. Recycled Water

Western Water will manage its recycled water as a key strategic element of water resource assets and beneficially use recycled water supplies as an efficient, safe and responsible alternative for non-drinking purposes.

Western Water will aim for one hundred per cent beneficial use by:

- identifying *fit for purpose* opportunities and develop new markets for recycled water generated from all recycled water plants
- working with stakeholders to develop viable return to stream opportunities as beneficial reuse options

4. Sewerage

Western Water recognises the importance of upgrading and maintaining the sewerage collection system to cater for increasing population and new and expanding businesses.

- By June 2008 Western Water will develop a sewerage asset management plan consistent with the commitments made in the 2008-2013 Water Plan and implement Actions identified in the plan.
- As detailed in the 2008-2013 Water Plan, Western Water will implement measures aimed at achieving its one hundred per cent biosolids-recycling target by 2013.

5. Greenhouse Gas Emissions

In accordance with the greenhouse gas reduction strategy, Western Water will reduce its net greenhouse gas emissions with a long-term goal of achieving and maintaining carbon neutrality by 2017, as provided for in the 2008-2013 Water Plan.

Western Water will:

- investigate opportunities to minimise pumping energy requirements
- minimise greenhouse gas emissions in the office, depots and treatment plants
- recover waste energy, for example generating electricity with biogas from sewerage treatment
- use renewable energy, for example purchasing Green Power
- monitor results of climate change studies occurring nationally and internationally and continue to refine demand modelling and forecasting assessments.

EPA will:

- work with Western Water's existing partners, Sustainability Victoria and the Australian Greenhouse Office to identify and develop opportunities to reduce greenhouse gas emissions in daily operations
- advise Western Water on the appropriate use and selection of carbon offsets
- involve Western Water in the activities of EPA's Carbon Innovators Network.

6. Environmental Gains through Offsets

Western Water and EPA will use the concept of 'environmental offsets' to assess opportunities for increased resource efficiencies across aspects of the business. EPA will advise Western Water on the appropriate use and selection of water quality offsets to improve surface water quality.

7. Community Engagement

In addition to its current community engagement activities, Western Water will engage the community in providing information and advice on issues of environment sustainability, climate change and drought and alternative water supplies.

EPA will assist Western Water to develop a strategy to evaluate and monitor community involvement in the implementation of this licence by December 2008.

8. Future Actions

To ensure this licence continues to monitor key environmental risks and opportunities, Western Water will develop a plan to consider, address, and implement the commitments in Part 1 of this licence.

Western Water's existing aspects and impacts register will also be reviewed to ensure that it:

- reflects Western Water's broader activities including its resource use and waste production across the whole life cycle of its business operations
- is consistent with EPA guidance on and publications concerning environmental obligations and opportunities for water businesses
- addresses issues identified in the risk assessment conducted in accordance with condition 2.11 of this licence
- captures the key opportunities listed in Part 1 of this licence.

EPA will:

- assist Western Water to scope and design suitable life cycle studies where appropriate
- provide funding with appropriate studies
- assist Western Water to engage the community around suitable studies
- consider the findings of any studies when reviewing the licence.

9. Reporting

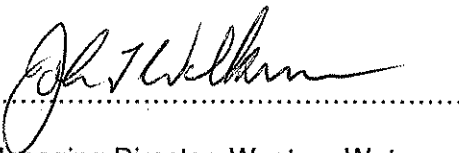
Western Water will report to EPA on the implementation of Part 1 in its annual performance statement required under Part 2 of this licence (condition 2.12).

10. Environmental Management System


Western Water will continue to operate and manage all premises in accordance with its AS/NZS ISO 14001 (externally certified and audited) Environmental Management System ("EMS"). Plans, programs and procedures specified in Part 2 of the licence will be integrated into Western Water's EMS.

The signatures below confirm the public commitment contained in Part 1 of this Corporate Licence by Western Water to improve its sustainability and the acknowledgement by EPA of that public commitment.

Signed by:



Managing Director, Western Water



Chairman, EPA Victoria

PART 2

2A Environmental Performance Conditions

Unless otherwise specified, these conditions apply to all the premises listed in Schedule 1 to this licence.

General Conditions

- 2.1 There must be no discharge or seepage of waste from the premises to the land, groundwater or water environments, except in accordance with the following conditions.
- 2.2 There must be no emission of odours offensive to the senses of human beings beyond the boundaries of the premises as identified in the relevant plan of premises.

Discharge to Land

- 2.3 Discharge of treated wastewater to irrigation areas must be undertaken in accordance with EPA Publication 464, *Guidelines for Environmental Management: Use of Reclaimed Water*.
- 2.4 Biosolids must be managed in accordance with EPA Publication 943, *Guidelines for Environmental Management: Biosolids Land Application*.

Discharge to Water

- 2.5 Treated wastewater generated at Premises 1 (Sunbury), Premises 2 (Gisborne) and Premises 3 (Woodend) must only be discharged to water:
- (a) from the discharge points as shown on the relevant plan of premises in Schedule 1; and
- (b) in accordance with the waste discharge limits specified in Table 1.

Table 1: Waste Discharge Limits for Discharge to Water

Indicator Category	Indicator	Unit	Median Premises 1 (Sunbury)	Median Premises 2 (Gisborne)	Median Premises 3 (Woodend)
A	Biochemical Oxygen Demand	mg/L	5	10	20
B	Suspended Solids	mg/L	10	30	30
C	Ammonia as N	mg/L	2	5	20
D	Total Nitrogen	mg/L	10	25	25
E	Total Phosphorous	mg/L	0.5	2	10
F	pH Range	pH units	Range between 6 and 9	Range between 6 and 9	Range between 6 and 9
G	<i>E.coli</i>	orgs/100 mL	200	200	200

mg/L = milligrams per Litre.

orgs/100 mL = organisms per 100 millilitres.

- 2.6 Treated wastewater referred to in condition 2.5 must not contain any visible floating oil, grease, scum, litter or other objectionable floating matter.

2B Monitoring and Reporting

Sampling Points

- 2.7 The licence holder must install and maintain sampling points at the locations shown on the relevant plan of premises in Schedule 1:
- which are as near as practicable to the discharge points;
 - so that samples may be easily obtained and are representative of the waste discharged; and
 - which are easy to access at all times by authorised officers of EPA.

Monitoring Program

- 2.8 The licence holder must implement a monitoring program that is approved in writing by EPA.

Incident and Exception Reporting

- 2.9 The licence holder must notify EPA in writing as soon as practicable of any monitoring result which indicates:
- non-compliance with any condition of this licence; or
 - the triggering of a notification level referred to in Table 2.

Table 2: Notification Levels for Discharge to Water

Indicator Category	Indicator	Unit	Notification Level Premises 1 (Sunbury)	Notification Level Premises 2 (Gisborne)	Notification Level Premises 3 (Woodend)
A	Biochemical Oxygen Demand	mg/L	10	40	40
B	Suspended Solids	mg/L	15	60	60
C	Ammonia as N	mg/L	5	5	25
D	Total Nitrogen	mg/L	15	30	30
E	Total Phosphorus	mg/L	1	2	12
F	pH Range	pH units	Less than 6 or greater than 9	Less than 6 or greater than 9	Less than 6 or greater than 9
G	<i>E coli</i> (bacteria)	orgs/100 mL	1000	1000	1000
H	Total Residual Chlorine	mg/L	0.5	NR	NR

mg/L = milligrams per Litre.

orgs/100 mL = organisms per 100 millilitres.

NR = not required as premises does not utilise chlorine disinfection.

2.10 The licence holder must immediately notify EPA of incidents in accordance with its incident procedure.

Water Discharge Report

2.11 By August 2009 the licence holder must submit a report to EPA containing:

- (a) a risk assessment of potential impacts on beneficial uses of Jacksons Creek, Five Mile Creek and downstream resulting from discharges from Premises 1 (Sunbury), Premises 2 (Gisborne) and Premises 3 (Woodend);
- (b) recommendations to minimise any impacts;
- (c) recommendations to alter any discharge limits or notification levels; and
- (d) delineation of mixing zones consistent with State Environment Protection Policy (Waters of Victoria).

Annual Performance Statement

2.12 By 31 October each year, beginning 2008, the licence holder must give EPA an Annual Performance Statement for the previous financial year.

2.13 Each Annual Performance Statement required by condition 2.12 must be submitted in a form and manner approved by EPA, and be signed by the Managing Director of the licence holder.

2C Schedules

Schedule 1: Plans of premises and premises addresses

Premises Number	Premises Address	Former Licence Number	Total Volume of Discharge (ML/day) ¹	Discharge Type
1	HARKER STREET, SUNBURY VIC 3429	EX74	5.2	Water (Jacksons Creek) and Land (irrigation)
2	CROWN ALLOTMENTS 10, 11, 12 & 13 SECTION 33, PARISH OF GISBORNE VIC 3437	EX44	2.4	Water (Jacksons Creek) and Land (irrigation)
3	MONTGOMERY LANE, WOODEND VIC 3442	EX129	0.8	Water (Five Mile Creek) and Land (irrigation)
4	CORNER BUTLERS ROAD & GREIGS ROAD, MELTON SOUTH VIC 3338	ES43	9.3	Land (irrigation)
5	CROWN ALLOTMENTS 32, 33, 34, 34A & J SECTION 9, PARISH OF PARWAN VIC 3340 (BACCHUS MARSH)	ES581	3	Land (irrigation)
6	PORTINGALES LANE, ROMSEY VIC 3434	ES45	1.2	Land (irrigation)
7	SUTHERLANDS ROAD, RIDDELLS CREEK VIC 3431	EX305	0.6	Land (irrigation)

¹ Mean daily flow rates.

Schedule 1 – Plans of Premises