

ENVIRONMENT PROTECTION ACT 1970  
SECTION 31D(5)

ANNUAL PERFORMANCE STATEMENT

WANNON REGION WATER CORPORATION

HOLDER OF LICENCE: 74341  
ABN: 94 007 404 851  
REGISTERED ADDRESS: 25 GATEWAY RD  
WARRNAMBOOL VIC 3280  
PREMISES ADDRESS: REFER TO PAGE 2 FOR ADDRESSES

STATEMENT SUMMARY

Statement Period: 01-Jul-2018 To 30-Jun-2019

Total Number of Premises on Licence: 16  
Number of Premises - Complied: 11  
Number of Premises - Non Complied: 5

DECLARATION

I, Andrew Jeffers declare that the information in this Annual Performance Statement is true and correct. I have made all necessary enquiries, and no matters of significance have been withheld from the EPA

Name: Andrew Jeffers

Position: Managing Director

Signed: 

Date: 26/9/19

The most senior Australian-based officer of your organisation for this licence must sign this statement and it must be scanned and uploaded along with this completed APS form via the EPA web portal by 01 October 2019.

In the event this is not possible, the signed statement must be faxed to (03) 8677 9063 by 01 October 2019. In both instances the statement must also be e-certified on the web portal by 01 October 2019.

1. Under Section 31D(5) of the Environment Protection Act 1970, it is an offence to provide false or misleading information in an Annual Performance Statement or conceal any relevant information or document from the Authority. Contravention of subsection (5) is an indictable offence that carries a penalty of 2400 penalty units or imprisonment for two years, or both.

## SCHEDULED PREMISES

Premises Address	Total Number of Conditions	Number of Conditions Complied	Number of Conditions Non-Complied
WARRNAMBOOL WWTP, THUNDER POINT, WARRNAMBOOL VIC 3280	15	14	1
PRINCETOWN RD, SIMPSON VIC 3266	12	12	0
FRAMLINGHAM RD, MORTLAKE VIC 3272	12	11	1
CHURCH & TROTTERS RD, TIMBOON VIC 3268	11	11	0
TIP LANE, DUNKELD VIC 3294	11	10	1
OLD PETERBOROUGH RD, PETERBOROUGH VIC 3270	11	11	0
GLENELG HWY, COLERAINE VIC 3315	11	11	0
WOOLSTHORPE HEYWOOD RD, HEYWOOD VIC 3304	13	12	1
CURDIE VALE RD, PORT CAMPBELL VIC 3269	11	11	0
BAHAGALLAH RD, CASTERTON VIC 3311	11	11	0
PETERBOROUGH RD, TERANG VIC 3264	11	11	0
BEATH ST, HAMILTON VIC 3300	11	10	1
OLD GEELONG RD, CAMPERDOWN VIC 3260	11	11	0
HAMILTON RD, PORT FAIRY VIC 3284	16	16	0
SCHULTZ AV, PORTLAND VIC 3305	15	15	0
SEWAGE TREATMENT WORKS RD, COBDEN VIC 3266	15	15	0

## STATEMENT OF COMPLIANCE

**Premises Address:** WARRNAMBOOL WWTP, THUNDER POINT, WARRNAMBOOL VIC 3280  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2	Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.	NO
Water	LI_DW2.15	The discharge from DP1 must not cause the E.coli bacteria count, beyond the mixing zone specified in licence condition DW3, to exceed a median of 150 organisms per 100 millilitres.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Water	LI_DW2.16	The discharge from DP1 must not cause the Enterococci bacteria count, beyond the mixing zone specified in licence condition DW3, to exceed any of: (a) a median of 35 organisms per 100 millilitres; and (b) an annual 75th percentile of 150 organisms per 100 millilitres.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Water	LI_DW3	The mixing zone extends for a 300 metre radius from the discharge point.	YES
Water	LI_DW4	You must install and maintain signage in the vicinity of the mixing zone showing the (a) extent of the mixing zone, (b) your name, (c) EPA licence number and (d) discharge point number.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES

## NON-COMPLIANCE DETAIL

Premises Address:

WARRNAMBOOL WWTP, THUNDER POINT, WARRNAMBOOL VIC 3280

### DETAILS OF NON COMPLIANCE WITH LICENCE CONDITION

Condition: LI\_DW2

Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.

a) Date(s) when the non-compliance occurred (if applicable)

05/07/2018
12/07/2018
19/07/2018
26/07/2018
02/08/2018
23/08/2018
30/08/2018
06/09/2018
13/09/2018
20/09/2018
26/09/2018
04/10/2018
11/10/2018
18/10/2018
25/10/2018
01/11/2018

08/11/2018
15/11/2018
22/11/2018
29/11/2018
06/12/2018
13/12/2018
20/12/2018
27/12/2018
03/01/2019
10/01/2019
17/01/2019
07/02/2019
27/06/2019

## b) Summary of particulars of non-compliance

Discharge from the Warrnambool water reclamation plant exceeded the annual median licence limit for total phosphorus.

## c) What is your assessment of environmental impact as a result of non-compliance

Due to the typically strong mixing conditions of wind, ocean waves and current at the discharge point to the southern ocean we believe there was minimal impact on the environment as a result of the non-compliance. Enhanced sampling and previous environmental surveys have noted that phosphorus concentrations at the edge of the 300 meter mixing zone around the outfall are generally indistinguishable from the low concentrations of background samples taken outside of the mixing zone.

## d) Cause of non-compliance

Warrnambool WRP is at its treatment capacity, and continues to receive high levels of phosphorus and nitrogen from a trade waste customer.

e) Action taken or that will be taken to mitigate any adverse effects of the non-compliance

Ongoing water quality monitoring of treated effluent. Annual environmental risk assessments and ecological surveys to monitor the impacts of the discharge on the surrounding environment.

f) Action taken or that will be taken to prevent reoccurrence of the non-compliance

Discussions with the trade waste customer are ongoing, with the aim of reducing the level of phosphorous within the trade waste being discharged from the factory. The customer has commenced alternative chemical dosing at the factory to reduce phosphorus in its trade waste discharge. The trade waste customer has been breached three times and is working with Wannon Water to improve trade waste quality. A 50% capacity upgrade of the Warrnambool plant is included in Wannon Water's Corporate Plan. Planning and approvals for the upgrade are progressing.

## WATER

Premises Address:

WARRNAMBOOL WWTP, THUNDER POINT, WARRNAMBOOL VIC 3280

### WATER - RECORDED VALUES

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	10	= 4,000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 6,000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.800
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	30	= 25,000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	30	= 31,000
DP1	pH	Required	Yes	pH	Minimum	6	= 7,700
DP1	pH	Required	Yes	pH	Maximum	9	= 8,400
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP1	Suspended solids	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Minimum		=
DP1	Total nitrogen	Optional	No	mg/l	90th Percentile		=
DP1	Total phosphorus	Optional	No	mg/l	90th Percentile		=
DP1	pH	Optional	No	pH	Annual Median		=
DP1	pH	Optional	No	pH	Annual Median		=

### WATER - SAMPLING RECORD AND FLOW

Number of samples collected per quarter

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
13	13	13	13	52

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
1,507.00000	1,457.80000	1,322.20000	1,327.90000	5,614.90000

## STATEMENT OF COMPLIANCE

**Premises Address:** PRINCETOWN RD, SIMPSON VIC 3266  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2	Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in 'Discharge to Water' section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES

## WATER

Premises Address:

PRINCETOWN RD, SIMPSON VIC 3266

### WATER - RECORDED VALUES

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	10	= 2.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 1.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	200	= 110.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.500
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	10	= 3.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	3	= 0.400
DP1	pH	Required	Yes	pH	Minimum	6	= 6.900
DP1	pH	Required	Yes	pH	Maximum	9	= 7.300
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP1	Suspended solids	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	Maximum		=
DP1	Escherichia Coli	Optional	No	org/100ml	90th Percentile		=
DP1	Escherichia Coli	Optional	No	org/100ml	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Minimum		=
DP1	Total nitrogen	Optional	No	mg/l	90th Percentile		=
DP1	Total phosphorus	Optional	No	mg/l	90th Percentile		=
DP1	pH	Optional	No	pH	Annual Median		=

Discharge Point Number	Indicator	Recorded Value	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	pH		Optional	No	pH	Annual Median		

### WATER - SAMPLING RECORD AND FLOW

#### Number of samples collected per quarter

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
13	0	0	4	17

#### Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
9.10000	0.00000	0.00000	2.10000	11.20000



## WASTEWATER TO LAND

Premises Address: PRINCETOWN RD, SIMPSON VIC 3266

Discharge of Wastewater to Land (ML)	0.000
Number of irrigation Days	0
Net Irrigation Area (hectares)	0

## STATEMENT OF COMPLIANCE

**Premises Address:** FRAMLINGHAM RD, MORTLAKE VIC 3272  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Waste Acceptance	LI_WA1.8	This premises may accept tankered liquid waste, only in accordance with a Trade Waste Agreement.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	NO

ANNUAL PERFORMANCE STATEMENT: 1 July 2018 To 30 June 2019

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL1	You must not contaminate land or groundwater.	YES
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



## NON-COMPLIANCE DETAIL

Premises Address:

FRAMLINGHAM RD, MORTLAKE VIC 3272

### DETAILS OF NON COMPLIANCE WITH LICENCE CONDITION

Condition: LI\_DW2.8

Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.

a) Date(s) when the non-compliance occurred (If applicable)

15/08/2018

b) Summary of particulars of non-compliance

Between the 15/08/2018 and 03/09/2018 Wannon Water discharged 28ML of treated effluent from the Mortlake water reclamation plant winter storage to the Winnadad Creek.

c) What is your assessment of environmental impact as a result of non-compliance

Results of water quality monitoring throughout the discharge period indicate there was no impact from the discharge of treated effluent from the Mortlake WRP on the water quality in Winnadad Creek. This is likely due to dilution of the discharge water, and existing poor background conditions of the receiving waterway.

d) Cause of non-compliance

In August 2018 a major groundwater inflow was located through a sewer manhole in a low area subject to flood inundation from heavy rains and rising groundwater. This excess inflow caused the storages to fill much faster than anticipated, and discharge from the winter storage was necessary to maintain storage integrity.

e) Action taken or that will be taken to mitigate any adverse effects of the non-compliance

Water quality monitoring was undertaken throughout the discharge period, and dilution ratios in excess of 5:1 were maintained throughout.

f) Action taken or that will be taken to prevent reoccurrence of the non-compliance

The damaged manhole was repaired in December 2018.

**WASTEWATER TO LAND**

Premises Address: FRAMLINGHAM RD, MORTLAKE VIC 3272

Discharge of Wastewater to Land (ML)

36.500

Number of Irrigation Days

322

Net Irrigation Area (hectares)

29

## STATEMENT OF COMPLIANCE

**Premises Address:** CHURCH & TROTTERS RD, TIMBOON VIC 3268  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



## WASTEWATER TO LAND

Premises Address: CHURCH & TROTTERS RD, TIMBOON VIC 3268

Discharge of Wastewater to Land (ML)	64.600
Number of Irrigation Days	119
Net Irrigation Area (hectares)	39

## STATEMENT OF COMPLIANCE

**Premises Address:** TIP LANE, DUNKELD VIC 3294  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	NO
Land	LI_DL1	You must not contaminate land or groundwater.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES

## NON-COMPLIANCE DETAIL

Premises Address:

TIP LANE, DUNKELD VIC 3294

### DETAILS OF NON COMPLIANCE WITH LICENCE CONDITION

Condition: LJ\_DW2.8

Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'

a) Date(s) when the non-compliance occurred (if applicable)

07/09/2018

b) Summary of particulars of non-compliance

Between the 7th of September and 20th September 2018 Wannon Water discharged 6.2ML of treated effluent from the Dunkeld water reclamation plant winter storage lagoon to the Wannon River via Sunday Creek.

c) What is your assessment of environmental impact as a result of non-compliance

Minimal environmental impact was experienced as a result of low volumes of discharge water, dilution/mixing ratios in excess of 5:1, and already moderate to poor water quality conditions of the receiving waterways.

d) Cause of non-compliance

Boulders have been identified within the embankment of one of the winter storage lagoons at the Dunkeld water reclamation plant, and rectification works have previously been required. On Friday 7th September 2018 inspection indicated a section of embankment of this same storage was very wet and the decision was made to lower the storage volume via discharge to protect the integrity of the bank and allow for investigation of the seepage.

e) Action taken or that will be taken to mitigate any adverse effects of the non-compliance

Water quality monitoring was undertaken throughout the discharge period, and dilution ratios in excess of 5:1 were maintained throughout.

f) Action taken or that will be taken to prevent reoccurrence of the non-compliance

GHD have identified a number of remedial options to address the issue, however all require costly engineering works, with preliminary costings ranging from ~\$850,000 to \$1,130,000.

Wannon Water is aiming to manage the issue without costly engineering works by:

- Setting up a monitoring program for wet weather ingress/infiltration into the WRP storages.
- Maintaining lower water levels in the winter storage by:
  - o Taking action to improve usage of reuse water during the irrigation season.
  - o Investigating maintaining lower levels in the maturation lagoons so there is scope to move water from the winter storage without a requirement to discharge.
- Slowly raising the level in the winter storage and monitoring closely for seepage.



WASTEWATER TO LAND

Premises Address:	TIP LANE, DUNKELD VIC 3294
Discharge of Wastewater to Land (ML)	15.100
Number of irrigation Days	168
Net Irrigation Area (hectares)	27

## STATEMENT OF COMPLIANCE

**Premises Address:** OLD PETERBOROUGH RD, PETERBOROUGH VIC 3270  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

ANNUAL PERFORMANCE STATEMENT: 1 July 2018 To 30 June 2019

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



## WASTEWATER TO LAND

Premises Address:

OLD PETERBOROUGH RD, PETERBOROUGH VIC 3270

Discharge of Wastewater to Land (ML)

9.420

Number of irrigation Days

98

Net Irrigation Area (hectares)

27

## STATEMENT OF COMPLIANCE

**Premises Address:** GLENELG HWY, COLERAINE VIC 3315  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



**WASTEWATER TO LAND**

Premises Address: GLENELG HWY, COLERAINE VIC 3315

Discharge of Wastewater to Land (ML)	39.700
Number of irrigation Days	210
Net Irrigation Area (hectares)	117

## STATEMENT OF COMPLIANCE

**Premises Address:** WOOLSTHORPE HEYWOOD RD, HEYWOOD VIC 3304  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2	Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.	NO
Water	LI_DW2.10	Discharge from the premises must not exceed 10 percent of receiving surface water flow rate in the Fitzroy River.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in 'Discharge to Water' section of EPA Publication 1322 'Licence Management Guidelines'.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL1	You must not contaminate land or groundwater.	YES
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



## NON-COMPLIANCE DETAIL

Premises Address:

WOOLSTHORPE HEYWOOD RD, HEYWOOD VIC 3304

### DETAILS OF NON COMPLIANCE WITH LICENCE CONDITION

Condition: LI\_DW2 Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.

a) Date(s) when the non-compliance occurred (If applicable)

17/07/2018

25/07/2018

01/08/2018

07/08/2018

16/08/2018

21/08/2018

b) Summary of particulars of non-compliance

Discharge from the Heywood water reclamation plant exceeded the annual median licence limit for total Nitrogen.

c) What is your assessment of environmental impact as a result of non-compliance

Minimal environmental impact as a result of dilution/mixing ratios in excess of 5:1 and the already moderate water quality conditions of the receiving waterway. At the lowest dilution ratio for the discharge period of 9:1 the median nitrogen concentration at the surface water discharge point was calculated at 0.64 mg/L, lower than the historical median concentration for the Fitzroy River of 0.8 mg/L.

d) Cause of non-compliance

Historically the Heywood water reclamation plant has struggled to effectively remove Nitrogen during the colder months due to the slowing down of bacterial activities.

e) Action taken or that will be taken to mitigate any adverse effects of the non-compliance

Water quality monitoring was undertaken throughout the discharge period, and dilution ratios in excess of 5:1 were maintained throughout.

f) Action taken or that will be taken to prevent reoccurrence of the non-compliance

Wannon Water is currently undertaking a small on-site floating reed bed trial to gauge whether this might be a suitable technique for reducing ammonia and nitrogen levels in the cooler months from the treated effluent from the water reclamation plant. Wannon Water's discharge licence for Heywood water reclamation plant was amended in December 2018 to include higher limits for total nitrogen. Under the amended licence conditions the median nitrogen result for the 2018 discharge period would be compliant.

## WATER

Premises Address:

WOOLSTHORPE HEYWOOD RD, HEYWOOD VIC 3304

### WATER - RECORDED VALUES

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	Ammonia	Required	Yes	mg/l	Annual Median	4	= 1.000
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	4	= 2.000
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	7	= 6.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	1	= 0.900
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	10	= 4.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	= 3.000
DP1	pH	Required	Yes	pH	Maximum	9	= 8.300
DP1	pH	Required	Yes	pH	Minimum	6	= 8.000
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	= 0.050
DP1	Ammonia	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Minimum		=
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP1	Total nitrogen	Optional	No	mg/l	90th Percentile		=
DP1	Total phosphorus	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	Maximum		=
DP1	Escherichia Coli	Optional	No	org/100ml	90th Percentile		=
DP1	Escherichia Coli	Optional	No	org/100ml	Maximum		=

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	pH	Optional	No	pH	Annual Median		=
DP1	pH	Optional	No	pH	Annual Median		=
DP1	Unionised ammonia	Optional	No	mg/l	90th Percentile		=
DP1	Unionised ammonia	Optional	No	mg/l	Annual Median		=

### WATER - SAMPLING RECORD AND FLOW

#### Number of samples collected per quarter

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
9	2	0	0	11

#### Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
187.60000	32.36000	0.00000	0.00000	219.96000

 **WASTEWATER TO LAND**

Premises Address: WOOLSTHORPE HEYWOOD RD, HEYWOOD VIC 3304

Discharge of Wastewater to Land (ML)

125.510

Number of Irrigation Days

189

Net Irrigation Area (hectares)

23

## STATEMENT OF COMPLIANCE

**Premises Address:** CURDIE VALE RD, PORT CAMPBELL VIC 3269  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



**WASTEWATER TO LAND**

Premises Address: CURDIE VALE RD, PORT CAMPBELL VIC 3269

Discharge of Wastewater to Land (ML)	58.800
Number of Irrigation Days	217
Net Irrigation Area (hectares)	16

## STATEMENT OF COMPLIANCE

**Premises Address:** BAHAGALLAH RD, CASTERTON VIC 3311  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

ANNUAL PERFORMANCE STATEMENT: 1 July 2018 To 30 June 2019

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



## WASTEWATER TO LAND

Premises Address: BAHAGALLAH RD, CASTERTON VIC 3311

Discharge of Wastewater to Land (ML)

106.100

Number of Irrigation Days

217

Net Irrigation Area (hectares)

35

## STATEMENT OF COMPLIANCE

**Premises Address:** PETERBOROUGH RD, TERANG VIC 3264  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



WASTEWATER TO LAND

Premises Address: PETERBOROUGH RD, TERANG VIC 3264

Discharge of Wastewater to Land (ML)	196.600
Number of irrigation Days	189
Net Irrigation Area (hectares)	73

## STATEMENT OF COMPLIANCE

**Premises Address:** BEATH ST, HAMILTON VIC 3300  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	NO
Land	LI_DL1	You must not contaminate land or groundwater.	YES

ANNUAL PERFORMANCE STATEMENT: 1 July 2018 To 30 June 2019

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES

## NON-COMPLIANCE DETAIL

Premises Address:

BEATH ST, HAMILTON VIC 3300

### DETAILS OF NON COMPLIANCE WITH LICENCE CONDITION

Condition: LJ\_DW2.8

Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.

a) Date(s) when the non-compliance occurred (If applicable)

14/08/2018

24/09/2018

b) Summary of particulars of non-compliance

A total of 161ML of treated effluent was discharged from the Hamilton water reclamation plant over a period of 47 days between 14/08/2018 and 26/10/2018. 129ML was discharged via the balancing storage to the Grange Burn between 14/08/2018 and 29/08/2018, and 32ML was discharged via the Monivae winter storage to Muddy creek between 24/09/2018 and 26/10/2018.

c) What is your assessment of environmental impact as a result of non-compliance

Due to the high dilution ratios and existing poor condition of the receiving waterway, discharge to the Muddy Creek had no significant and long lasting negative impacts on water quality in the creek.  
The discharge of effluent with high concentrations of ammonia to the Grange Burn is likely to have resulted in increased phosphorus and ammonia concentrations in the receiving waterway downstream of the discharge point. The ammonia discharged was primarily in an ionised form, and therefore less toxic to aquatic organisms.

d) Cause of non-compliance

As a result of insufficient storage capacity and insufficient re-use potential, the Hamilton WRP needs to discharge to the environment in the winter months during average and wet seasons. As such the EPA requirement, to contain all water to land (i.e. no discharges to the environment) in all years up to a 90th percentile wet year, cannot be satisfied.

e) Action taken or that will be taken to mitigate any adverse effects of the non-compliance

Water quality monitoring was undertaken throughout the discharge period, and dilution ratios in excess of 5:1 were maintained throughout.

f) Action taken or that will be taken to prevent reoccurrence of the non-compliance

Wannon Water is currently undertaking a project to upgrade the transport pump that moves treated effluent from the balancing storage to the Monivae winter storage, to ensure discharge of higher quality water occurs from the Monivae winter storage via the Muddy Creek. These works are expected to be completed in year 2 of the 2018/2023 water plan. Inflow and infiltration works and sewer and manhole works are also budgeted for in year 2 of the water plan. Also Wannon Water currently has an application lodged with the EPA for a licence to discharge treated effluent from the Monivae winter storage to the Muddy Creek.



**WASTEWATER TO LAND**

Premises Address:	BEATH ST, HAMILTON VIC 3300
Discharge of Wastewater to Land (ML)	619,400
Number of Irrigation Days	245
Net Irrigation Area (hectares)	95

## STATEMENT OF COMPLIANCE

**Premises Address:** OLD GEELONG RD, CAMPERDOWN VIC 3260

**Licensed Activities:**

**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES



**WASTEWATER TO LAND**

Premises Address: OLD GEELONG RD, CAMPERDOWN VIC 3260

Discharge of Wastewater to Land (ML)	441.770
Number of Irrigation Days	308
Net Irrigation Area (hectares)	108

## STATEMENT OF COMPLIANCE

**Premises Address:** HAMILTON RD, PORT FAIRY VIC 3284  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2	Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.	YES
Water	LI_DW2.15	The discharge from DP1 and DP2 must not cause the E.coli bacteria count, beyond the mixing zone specified in licence condition DW3, to exceed a median of 150 organisms per 100 millilitres.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Water	LI_DW2.16	The discharge from DP1 and DP2 must not cause the Enterococci bacteria count, beyond the mixing zone specified in licence condition DW3, to exceed any of: (a) a median of 35 organisms per 100 millilitres; and (b) an annual 75th percentile of 150 organisms per 100 millilitres.	YES
Water	LI_DW2.17	The discharge from DP1 and DP2 must not cause chronic or acute toxicity, beyond the mixing zone specified in licence condition DW3, in breach of clause 27 of the State Environment Protection Policy (Waters of Victoria).	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Water	LI_DW3	The mixing zone extends for a 130 metre radius from the discharge point.	YES
Water	LI_DW4	You must install and maintain signage in the vicinity of the mixing zone showing the (a) extent of the mixing zone, (b) your name, (c) EPA licence number and (d) discharge point number.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES

## WATER

Premises Address:

HAMILTON RD, PORT FAIRY VIC 3284

### WATER - RECORDED VALUES

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	10	= 2.000
DP2	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	30	= 10.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 6.000
DP2	Suspended solids	Required	Yes	mg/l	Annual Median	150	= 26.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.500
DP2	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.600
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	15	= 15.000
DP2	Total nitrogen	Required	Yes	mg/l	Annual Median	35	= 15.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	10	= 4.000
DP2	Total phosphorus	Required	Yes	mg/l	Annual Median	160	= 97.000
DP1	pH	Required	Yes	pH	Minimum	6	= 7.900
DP2	pH	Required	Yes	pH	Minimum	6	= 7.900
DP1	pH	Required	Yes	pH	Maximum	9	= 8.200
DP2	pH	Required	Yes	pH	Maximum	9	= 8.800
DP2	Colour	Required	Yes	Pt-Co	Annual Median	900	= 637.000
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP2	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=

ANNUAL PERFORMANCE STATEMENT: 1 July 2018 To 30 June 2019

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	Suspended solids	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	Maximum		=
DP2	Suspended solids	Optional	No	mg/l	90th Percentile		=
DP2	Suspended solids	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Minimum		=
DP2	Ammonia	Optional	No	mg/l	Maximum		=
DP2	Ammonia	Optional	No	mg/l	Minimum		=
DP1	Total nitrogen	Optional	No	mg/l	90th Percentile		=
DP2	Total nitrogen	Optional	No	mg/l	90th Percentile		=
DP1	Total phosphorus	Optional	No	mg/l	90th Percentile		=
DP2	Total phosphorus	Optional	No	mg/l	90th Percentile		=
DP1	pH	Optional	No	pH	Annual Median		=
DP2	pH	Optional	No	pH	Annual Median		=
DP1	pH	Optional	No	pH	Annual Median		=
DP2	pH	Optional	No	pH	Annual Median		=
DP2	Colour	Optional	No	Pt-Co	90th Percentile		=
DP2	Colour	Optional	No	Pt-Co	Maximum		=

WATER - SAMPLING RECORD AND FLOW

Number of samples collected per quarter

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
26	26	26	24	102

**Total amount discharged per quarter (ML)**

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
241.80000	174.60000	174.60000	183.30000	774.30000

## STATEMENT OF COMPLIANCE

**Premises Address:** SCHULTZ AV, PORTLAND VIC 3305

**Licensed Activities:**

**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2	Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.	YES
Water	LI_DW2.15	The discharge from DP1 must not cause the E.coli bacteria count, beyond the mixing zone specified in licence condition DW3, to exceed a median of 150 organisms per 100 millilitres.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Water	LI_DW2.16	The discharge from DP1 must not cause the Enterococci bacteria count, beyond the mixing zone specified in licence condition DW3, to exceed any of: (a) a median of 35 organisms per 100 millilitres; and (b) an annual 75th percentile of 150 organisms per 100 millilitres.	YES
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Water	LI_DW3	The mixing zone extends in a 200m radius of the discharge point.	YES
Water	LI_DW4	You must install and maintain signage in the vicinity of the mixing zone showing the (a) extent of the mixing zone, (b) your name, (c) EPA licence number and (d) discharge point number.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES

## WATER

Premises Address: SCHULTZ AV, PORTLAND VIC 3305

### WATER - RECORDED VALUES

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	20	= 12.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	20	= 10.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	25	= 2.000
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	35	= 8.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	10	= 4.000
DP1	pH	Required	Yes	pH	Minimum	6	= 7.400
DP1	pH	Required	Yes	pH	Maximum	9	= 8.200
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP1	Suspended solids	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Minimum		=
DP1	Total nitrogen	Optional	No	mg/l	90th Percentile		=
DP1	Total phosphorus	Optional	No	mg/l	90th Percentile		=
DP1	pH	Optional	No	pH	Annual Median		=
DP1	pH	Optional	No	pH	Annual Median		=

### WATER - SAMPLING RECORD AND FLOW

**Number of samples collected per quarter**

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
13	13	13	13	52

**Total amount discharged per quarter (ML)**

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
559.80000	352.00000	281.20000	322.70000	1,515.70000

## STATEMENT OF COMPLIANCE

**Premises Address:** SEWAGE TREATMENT WORKS RD, COBDEN VIC 3266  
**Licensed Activities:**  
**Scheduled Categories:** A03 Sewage Treatment

### Analysis of performance against environmental Performance Conditions

Condition Area	Condition Reference	Condition Description	Condition Complied with?
General	LI_G1	You must ensure that waste is not discharged, emitted or deposited beyond the boundaries of the premises except in accordance with this licence or under the Act.	YES
General	LI_G2	You must immediately notify EPA of non-compliance with any condition of this licence by calling 1300 EPA VIC (1300 372 842), sending an email to <a href="mailto:contact@epa.vic.gov.au">contact@epa.vic.gov.au</a> , or using the EPA Interaction Portal.	YES
General	LI_G3	By 30 September each year you must submit an annual performance statement to EPA for the previous financial year in accordance with the Annual Performance Statement Guidelines (EPA Publication 1320.3, released June 2011).	YES
General	LI_G4	Documents and monitoring records used for preparation of the annual performance statement must be retained at the premises for five years from the date of each statement, and be able to be immediately produced upon request by an officer of the Authority.	YES
General	LI_G5	You must establish and implement a risk based monitoring program that enables you and EPA to determine compliance with each condition of this licence. The monitoring program must comply with the requirements of the monitoring guidelines (EPA document 1321.2, released June 2011).	YES
Amenity	LI_A1	You must ensure that odours offensive to the senses of human beings are not discharged, emitted or released beyond the boundaries of the premises.	YES
Water	LI_DW1	You must ensure that surface water discharged from the premises is not contaminated with waste.	YES
Water	LI_DW2	Discharge of waste to surface waters must be in accordance with the 'Discharge to Water' Table.	YES
Water	LI_DW2.10	Discharge from the premises must not exceed a 1:5 dilution factor or an equivalent percent of receiving surface water flow rate in the Curdies River.	YES

Condition Area	Condition Reference	Condition Description	Condition Complied with?
Water	LI_DW2.8	Discharge of treated wastewater during wet weather conditions must be in accordance with specifications in "Discharge to Water" section of EPA Publication 1322 'Licence Management Guidelines'.	YES
Water	LI_DW3	The mixing zone extends 2.6 km downstream of the licensed waste discharge points.	YES
Water	LI_DW6	Discharge of waste to surface waters may only take place [placeholder - specify month] and in accordance with condition DW2.	YES
Land	LI_DL1	You must not contaminate land or groundwater.	YES
Land	LI_DL2	You must ensure that the discharge of wastewater does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES
Land	LI_DL4	You must ensure that deposit of biosolids does not change the condition of land so as to make that land or any part of that land harmful or potentially harmful to human beings or the environment.	YES

## WATER

Premises Address: SEWAGE TREATMENT WORKS RD, COBDEN VIC 3266

### WATER - RECORDED VALUES

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	Ammonia	Required	Yes	mg/l	Annual Median	6	= 0.400
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	10	= 3.000
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	12	= 10.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	5	= 3.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 4.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	= 4.000
DP1	pH	Required	Yes	pH	Maximum	9.6	= 8.900
DP1	pH	Required	Yes	pH	Minimum	6	= 7.900
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	= 0.020
DP1	Ammonia	Optional	No	mg/l	Maximum		=
DP1	Ammonia	Optional	No	mg/l	Minimum		=
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP1	Total nitrogen	Optional	No	mg/l	90th Percentile		=
DP1	Total phosphorus	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	90th Percentile		=
DP1	Suspended solids	Optional	No	mg/l	Maximum		=
DP1	Escherichia Coli	Optional	No	org/100ml	90th Percentile		=
DP1	Escherichia Coli	Optional	No	org/100ml	Maximum		=

Discharge Point Number	Indicator	Recorded Value Required?	Collected?	Units	Limit Type	Licence Limit	Recorded Value
DP1	pH	Optional	No	pH	Annual Median		=
DP1	pH	Optional	No	pH	Annual Median		=
DP1	Unionised ammonia	Optional	No	mg/l	90th Percentile		=
DP1	Unionised ammonia	Optional	No	mg/l	Annual Median		=

### WATER - SAMPLING RECORD AND FLOW

#### Number of samples collected per quarter

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
5	0	0	0	5

#### Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
60.60000	0.00000	0.00000	0.00000	60.60000



## WASTEWATER TO LAND

Premises Address:

SEWAGE TREATMENT WORKS RD, COBDEN VIC 3266

Discharge of Wastewater to Land (ML)

116.200

Number of Irrigation Days

175

Net Irrigation Area (hectares)

42

