

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-2019 To 30-Jun-2020

Total Number of Premises on Licence: 16
Number of Premises - Complied: 9
Number of Premises - Non Complied: 7

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: 13/11/2020

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 August 2020.

In the event this is not possible, the signed statement must be faxed to (03) 8677 9063 by 01 August 2020. In both instances the statement must also be e-certified on the web portal by 01 August 2020.

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, ELLIOTT STREET, THUNDER POINT, WARRNAMBOOL VIC 3280	16	14	2
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	10	1
BEATH ST, HAMILTON VIC 3300	15	14	1
OLD GEELONG RD, CAMPERDOWN VIC 3260	11	10	1
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, ELLIOTT STREET, 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 contact@epa.vic.gov.au , 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_DW2.20	Discharge of wastewater must not contain visible floating foam, oils, grease or litter.	NO
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, ELLIOTT STREET, 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)

18/07/2019
01/08/2019
08/08/2019
15/08/2019
22/08/2019
29/08/2019
05/09/2019
12/09/2019
26/09/2019
03/10/2019
10/10/2019
02/01/2020
09/01/2020
16/01/2020
23/01/2020
30/01/2020

13/02/2020
20/02/2020
27/02/2020
05/03/2020
26/03/2020
02/04/2020
08/04/2020
16/04/2020
23/04/2020
30/04/2020
28/05/2020
04/06/2020
11/06/2020
18/06/2020
25/06/2020

b) Summary of particulars of non-compliance

- Suspended Solids – The maximum suspended solids limit for the Warrnambool STP was breached on three occasions during the reporting period on 28/05/2020, 04/06/2020 and 26/06/2020.
- Total Nitrogen – The annual median total nitrogen limit for the Warrnambool STP was breached for the reporting period.

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

No impact to the receiving environment was determined through monitoring during the 2019/20 reporting period. The increased nitrogen concentrations discharged are unlikely to have resulted in a change in nitrogen concentrations at the edge of the mixing zone. Consultants have previously reported an overall minimum total nitrogen dilution at the edge of the 300m mixing zone in the range of 100-700:1. There were instances of visible near shore discoloration as a result of the high suspended solids discharges, however this was dispersed quickly by the strong wind and wave action at the discharge locality. There was some impact to the visual amenity of the area for users in the vicinity of the discharge point. Ecological surveys have not detected any impact on organisms within the mixing zone as a result of high suspended solids.

d) Cause of non-compliance

• Suspended Solids – Low flows into the plant in May, caused by a shutdown by a trade waste customer, resulted in proliferation of filamentous bacteria favouring low carbon loads in the tanks. These bacteria caused bulking of sludge, poor settling and effluent turbidity spikes. Samples from 28th May, 4th June and 26th June exceeded the suspended solids maximum limit of 30mg/L.

• Total Nitrogen – Effluent from a Warrnambool trade waste customer is consistently high in nitrogen. As well, influent BOD levels have reduced nearly 30% since 2018 with improved onsite pre-treatment by another Warrnambool trade waste customer. This has caused the BOD:nitrogen ratio to drop to around 2.3:1, below the recommended 5:1 ratio for effective nitrogen removal. Reduced BOD and SS from improved pre-treatment at the plant has also seen the food versus biomass ratio decline to levels below those recommended for a healthy activated sludge plant, resulting in poor nitrogen removal.

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

Suspended Solids

- o Investigations are ongoing into the cause of the filamentous bacteria in the tanks.
- o Polymer dosing into the plant influent to assist settling in the tanks.
- o Operational changes to increase wasting to improve the food to mass ratio.

Total Nitrogen

- o Continue to work with trade waste customers to address high nitrogen levels coming into the plant.
 - o The design for the proposed Warrnambool STP upgrade includes increased capacity to remove nitrogen.
- Implementation of a carbon dosing trial at the plant aiming to help avoid low carbon loads in the tanks, further improve the BOD:nitrogen and food to mass ratios and improve plant operation and solids settling. Improved settling would mean reduced aeration and the anoxic treatment phase returned to full function.

Premises Address: WARRNAMBOOL WWTP, ELLIOTT STREET, THUNDER POINT, WARRNAMBOOL VIC 3280

DETAILS OF NON COMPLIANCE WITH LICENCE CONDITION

Condition: LJ_DW2.20 Discharge of wastewater must not contain visible floating foam, oils, grease or litter.

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

10/12/2019

b) Summary of particulars of non-compliance

On February 20, 2020 Wannon Water was issued with a pollution abatement notice by EPA relating to a notice to produce served on the 10th December, 2019. The notice to produce was issued in response to reports of plastic litter, fat balls and other foreign items washed up on the shoreline near the Warrnambool STP ocean outfall.

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

The foreign material had an aesthetic impact on the beaches surrounding the outfall, as reported to EPA by members of the public. Although plastics are recognised as a potential threat to ocean organisms such as birds and fish, Wannon Water is not aware of any increased mortality of sea life in the area in December 2019.

d) Cause of non-compliance

The fine effluent manual screen at the Warrnambool STP can become blocked with solids from the treated wastewater. When the manual fine screen becomes completely blocked it must be removed for cleaning. During removal it is possible that litter such as fat balls and plastics could be discharged to the ocean.

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

Annual environmental risk assessments and ecological surveys to monitor the impacts of the discharge on the surrounding environment. Wannon Water also took the following action:

- Intermittent beach inspections and cleans by staff, including daily inspections during periods of poor plant operation.
- Contracted Tangaroa Blue to conduct beach cleans, and inform the Australian Marine Debris database with the results of these cleans.
- Engaged a contractor to quantify remnant plastics within the Shelley Beach profile.

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

An automatic 1mm band screen has been installed in the effluent channel, upstream of the existing manual screenings. A course 15mm screen has been installed to filter large particles from the band screen wash water, before the wash water is pumped to a drying bed and back to the head of plant. As well, the existing manual screening downstream of the band screen has been modified to include an extra screen panel, so various screenings can always be in place, even during cleaning.

WATER

Premises Address:

WARRNAMBOOL WWTP, ELLIOTT STREET, 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	= 7.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 6.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.820
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	30	= 32.600
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	30	= 25.600
DP1	pH	Required	Yes	pH	Minimum	6	= 7.600
DP1	pH	Required	Yes	pH	Maximum	9	= 8.400
DP1	Ammonia	Required	Yes	mg/l	Maximum	8	= 3.380
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Maximum	20	= 20.000
DP1	Suspended solids	Required	Yes	mg/l	Maximum	30	= 54.000
DP1	Total nitrogen	Required	Yes	mg/l	Maximum	60	= 48.700
DP1	Total phosphorus	Required	Yes	mg/l	Maximum	45	= 35.600
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP1	Suspended solids	Optional	No	mg/l	90th Percentile		=
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		=

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	Ammonia	Optional	No	mg/l	Minimum	=	
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum	=	
DP1	Suspended solids	Optional	No	mg/l	90th Percentile	=	
DP1	Total nitrogen	Optional	No	mg/l	90th Percentile	=	
DP1	Total phosphorus	Optional	No	mg/l	90th Percentile	=	

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	12	13	13	51

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
1,462.90000	1,451.70000	1,292.30000	1,237.30000	5,444.20000

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 contact@epa.vic.gov.au , 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	= 3.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	200	= 69.000
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	= 0.550
DP1	pH	Required	Yes	pH	Minimum	6	= 6.500
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	Collected?	Units	Limit Type	Licence Limit	Recorded Value
		Optional	No	pH	Annual Median		=
DP1	pH						

WATER - SAMPLING RECORD AND FLOW

Number of samples collected per quarter

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
14	7	0	7	28

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
10.01000	5.88000	0.00000	1.19000	17.08000

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 contact@epa.vic.gov.au , 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

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)

08/08/2019

b) Summary of particulars of non-compliance

Between the 08/08/2019 and 24/10/2019 Wannoon Water discharged 97ML 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 minimal environmental impact on the receiving waters as a result of 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

Although substantial volumes of treated wastewater were irrigated from the Mortlake STP over the 2018/2019 irrigation season, ongoing ingress and infiltration issues within the Mortlake sewer network meant that in winter 2019 the storages filled faster than designed. The decision was made to begin discharging in early August to prevent overflow and 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

Wannon Water have undertaken an extensive program of works to rectify issues along the southern part of the Mortlake sewer system that were identified as contributing to the networks stormwater infiltration issues. These works included:

- Installation of patches on 14 riser connections to seal off failed joins on the targeted section of the network.
- Installation of 3 patches along the mainline of the targeted section of the network.
- Replacement of all inspection/cleaning holes (lamp holes) and surrounds along the targeted section of the network.

Further network inspections will be undertaken, with rectification works on any issues identified.

WASTEWATER TO LAND

Premises Address: FRAMLINGHAM RD, MORTLAKE VIC 3272

Discharge of Wastewater to Land (ML)	90.530
Number of irrigation Days	161
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 contact@epa.vic.gov.au , 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)	66.600
Number of irrigation Days	112
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 contact@epa.vic.gov.au , 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: 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)

20/08/2019

b) Summary of particulars of non-compliance

Between the 20/08/2019 and 13/09/2019 Wannoon Water discharged 11ML of treated effluent from the Dunkeld STP winter storage to the Wannoon River.

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 minimal impact on the receiving waters 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

As a result of irrigation equipment issues only 12 of the targeted 26 ML of recycled water was irrigated. This left storage levels higher than targeted for winter, and with above average rainfall in May, June and July of 2019 the storages filled quickly. Discharge in August 2019 was necessary to avoid overflow and potential compromise of 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

- Wannon Water has undertaken actions to improve irrigation of reuse water including:
- Revision of reuse customer EIP's to ensure irrigation can continue to occur into the future.
 - Review of contingency irrigation options.
 - Review of reuse customer water requirements.

WASTEWATER TO LAND

Premises Address:	TIP LANE, DUNKELD VIC 3294
Discharge of Wastewater to Land (ML)	12.200
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 contact@epa.vic.gov.au , 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 PETERBOROUGH RD, PETERBOROUGH VIC 3270

Discharge of Wastewater to Land (ML)	3.800
Number of irrigation Days	21
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 contact@epa.vic.gov.au , 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, COLERAIN VIC 3315

Discharge of Wastewater to Land (ML)	38.900
Number of irrigation Days	119
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 contact@epa.vic.gov.au , 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)

29/10/2019

b) Summary of particulars of non-compliance

A sample of discharge wastewater taken on the 29th October, 2019 from the Heywood STP returned a pH result of 9.2, exceeding the site license maximum limit of 9.0

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

Monitoring data has shown that the elevated pH of the discharge water does not alter the pH levels in the receiving environment. The elevated pH in the winter storage is a product of algal growth releasing hydroxyl ions during photosynthesis. It dissipates quickly, and has no long lasting effect on receiving waters. Macroinvertebrate studies in the Fitzroy River indicate that there is no impact to the receiving environment as a result of the discharge of wastewater from the Heywood STP.

d) Cause of non-compliance

The increased pH is a result of algae releasing hydroxyl ions during photosynthesis. The pH in the winter storage increased a lot earlier in winter 2019 than it historically has at this site. Typically the pH does not exceed 9 pH units until the end of December.

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

Water quality testing of discharge waters occurs throughout discharge periods. Macroinvertebrate monitoring in the Fitzroy River is undertaken bi-annually. High dilution ratios of 10:1 or greater are maintained during discharging.

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

In future Wannon Water will endeavour to time discharge to avoid discharging high pH water and maintain high dilution ratios with the Fitzroy River. Wannon Water is planning to de-sludge the Heywood winter storage in the dryer months of 2020/21. Although the sludge does not directly impact the pH of the treated water the reduction in winter storage capacity as a result of sludge build up means the storage fills faster, and subsequent discharges may be required later in the year when pH levels are likely to be higher.

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	= 3.400
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	4	= 4.000
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	7	= 6.800
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	1	= 1.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	10	= 3.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	= 2.000
DP1	pH	Required	Yes	pH	Maximum	9	= 9.200
DP1	pH	Required	Yes	pH	Minimum	6	= 7.600
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	= 0.190
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	5	0	0	14

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
102.86000	73.27000	0.00000	0.00000	176.13000

WASTEWATER TO LAND

Premises Address: WOOLSTHORPE HEYWOOD RD, HEYWOOD VIC 3304

Discharge of Wastewater to Land (ML)	86.260
Number of irrigation Days	140
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 contact@epa.vic.gov.au , 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)

Number of irrigation Days

Net Irrigation Area (hectares)

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 contact@epa.vic.gov.au , 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: BAHAGALLAH RD, CASTERTON VIC 3311

Discharge of Wastewater to Land (ML)	77.050
Number of irrigation Days	161
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 contact@epa.vic.gov.au , 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: PETERBOROUGH RD, TERANG VIC 3264

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)

02/10/2019

b) Summary of particulars of non-compliance

Between the 02/10/2019 and 19/12/2019 Wannon Water discharged 103ML of treated effluent from the Terang domestic STP to the Mt Emu 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 environmental impact on the receiving waters as a result of dilution/mixing ratios well in excess of 5:1 (averaged 34:1), and already moderate to poor water quality conditions of the receiving waterway.

d) Cause of non-compliance

Significant issues with aquatic weed in the winter storage at the Terang WRP over the 2018 irrigation season caused ongoing problems with irrigation equipment and resulted in recycled water volumes being lower than expected by seasons end. This, combined with relatively high rainfall from May to August meant the Terang WRP storages were nearing capacity in September. To maintain storage integrity, treated effluent was discharged to the Mt Emu Creek.

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 following actions have been implemented to attempt to manage surface weed in the Terang WRP winter storage:

- A new weed curtain was installed in the winter storage in October 2018.
- Physical harvesting of surface weed from the winter storage took place in April 2019.
- Weekly monitoring of surface weed coverage by operations staff.

WASTEWATER TO LAND

Premises Address: PETERBOROUGH RD, TERANG VIC 3264

Discharge of Wastewater to Land (ML)

142.870

Number of irrigation Days

155

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 contact@epa.vic.gov.au , 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_DW2.08	The maximum discharge allowed from DP1 is 600 ML per year at a rate of no more than 10 ML per day.	YES
Water	LI_DW2.10	Discharge from the premises must not exceed 6.7 percent of receiving surface water flow rate in Muddy Creek.	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 as shown in Schedule 1B extends 5 kilometers downstream of discharge point 1 (DP1) in Muddy Creek.	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

NON-COMPLIANCE DETAIL

Premises Address: BEATH ST, HAMILTON VIC 3300

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)

03/09/2019

b) Summary of particulars of non-compliance

Between the 03/09/2019 and 10/10/2019 Wannon Water discharged 103ML of treated effluent from the Hamilton STP Monivae winter storage to the Muddy 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 minimal environmental impact on the receiving waters as a result of dilution/ mixing ratios in excess of 5:1, and already moderate to poor water quality conditions of the receiving waterway. Macroinvertebrate monitoring has found no difference in communities up and down stream of the discharge.

d) Cause of non-compliance

The Hamilton WRP needs to discharge to the environment in the winter months during average and wet seasons; this is caused by insufficient storage capacity, insufficient re-use potential and substantial stormwater inflows.

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

Acknowledging that, with appropriate controls and monitoring, the discharge from the Hamilton WRP Monivae winter storage to the Muddy Creek during the wetter months is a low risk, EPA have approved a licence amendment for licence 74341 to allow the wet weather discharge of treated wastewater from the Hamilton Monivae winter storage to Muddy Creek, in accordance with various licence conditions and discharge water quality limits (approved November, 2019).

WATER

Premises Address:

BEATH ST, HAMILTON VIC 3300

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	= 0.000
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	10	= 0.000
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	9	= 0.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	5	= 0.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	10	= 0.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	= 0.000
DP1	pH	Required	Yes	pH	Maximum	9.3	= 0.000
DP1	pH	Required	Yes	pH	Minimum	6	= 0.000
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	= 0.000
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	Collected?	Units	Limit Type	Licence Limit	Recorded Value
		Value Required?					
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
0	0	0	0	0

Total amount discharged per quarter (ML)

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

WASTEWATER TO LAND

Premises Address: BEATH ST, HAMILTON VIC 3300

Discharge of Wastewater to Land (ML)

570.000

Number of irrigation Days

266

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 contact@epa.vic.gov.au , 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: OLD GEELONG RD, CAMPERDOWN VIC 3260

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)

23/09/2019

b) Summary of particulars of non-compliance

Between the 23/09/2019 and 21/10/2019 Wannon Water discharged 40ML of treated effluent from the Camperdown domestic STP maturation lagoon to Lake Colongulac.

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 Camperdown domestic STP on the water quality in Lake Colongulac. This is likely due to dilution of the discharge water, and existing poor background conditions of the receiving waterway.

d) Cause of non-compliance

The Camperdown sewer system is now close to 60 years old. Given the aging infrastructure, ingress and infiltration has increasingly become an issue in recent years. Above 90th percentile rainfall in May, and above average rainfall in July and August of 2019 in Camperdown, combined with the ongoing infiltration/ingress issues in the sewer network resulted in storages filling faster than anticipated.

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 total dilution was very high at approximately 600:1 with the lake three quarters full at the time of discharge.

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

To date Wannon water has completed hydraulic modelling and a targeted CCTV inspection program of the Camperdown sewer system. Budget has been carried over to the 2020-21 financial year for rectification works.

WASTEWATER TO LAND

Premises Address: OLD GEELONG RD, CAMPERDOWN VIC 3260

Discharge of Wastewater to Land (ML)	484.790
Number of irrigation Days	266
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 contact@epa.vic.gov.au , 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	= 15.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 5.500
DP2	Suspended solids	Required	Yes	mg/l	Annual Median	150	= 38.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.520
DP2	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.820
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	15	= 12.600
DP2	Total nitrogen	Required	Yes	mg/l	Annual Median	35	= 15.900
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	10	= 3.900
DP2	Total phosphorus	Required	Yes	mg/l	Annual Median	160	= 30.200
DP1	pH	Required	Yes	pH	Minimum	6	= 7.600
DP2	pH	Required	Yes	pH	Minimum	6	= 7.800
DP1	pH	Required	Yes	pH	Maximum	9	= 8.300
DP2	pH	Required	Yes	pH	Maximum	9	= 8.800
DP2	Colour	Required	Yes	Pt-Co	Annual Median	900	= 298.000
DP1	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=
DP2	Biochemical oxygen demand (5 day)	Optional	No	mg/l	Minimum		=

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
25	26	26	26	103

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
223.15000	200.57000	183.36000	199.18000	806.26000

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 contact@epa.vic.gov.au , 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	= 11.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	20	= 6.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	25	= 1.140
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	35	= 8.200
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	10	= 6.200
DP1	pH	Required	Yes	pH	Minimum	6	= 7.500
DP1	pH	Required	Yes	pH	Maximum	9	= 8.500
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	14	13	13	53

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
505.97000	409.76000	318.94000	411.94000	1,646.61000

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 contact@epa.vic.gov.au , 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 June to November inclusive 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	2.500
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	8.600
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	5	2.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	1.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	6.000
DP1	pH	Required	Yes	pH	Maximum	9.6	8.300
DP1	pH	Required	Yes	pH	Minimum	6	7.800
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	0.136
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	Collected?	Units	Limit Type	Licence Limit	Recorded Value
		Value Required?					
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
6	0	0	0	6

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
50.62000	0.00000	0.00000	0.00000	50.62000



WASTEWATER TO LAND

Premises Address: SEWAGE TREATMENT WORKS RD, COBDEN VIC 3266

Discharge of Wastewater to Land (ML)	85.290
Number of irrigation Days	126
Net Irrigation Area (hectares)	42

13/11/2020

HAMILTON SEWAGE TREATMENT WORKS WATER RECORDED VALUES

Wannon Water obtained a license to discharge from the Hamilton Monivae winter storage in November of 2019, and subsequently did not collect any samples during the 2019/20 monitoring period, as there was no discharge to the environment.

Due to the nature of the EPA APS portal water quality license limit recorded value cells cannot be left blank, so values of zero have been entered, as was advised by the EPA APS team for the same scenario at another site in a previous financial year (Cobden STP 2016/17). They are not actual values.

Yours sincerely



Luke Dunlop
Manager Operational Monitoring and Reporting