

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

PREMISES ADDRESS: REFER TO PAGE 2 FOR ADDRESSES

STATEMENT SUMMARY

Statement Period: 01-Jul-2020 To 30-Jun-2021

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: 21/9/2021

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 2021.

In the event this is not possible, the signed statement must be faxed to (03) 8677 9063 by 01 October 2021. In both instances the statement must also be e-certified on the web portal by 01 October 2021.

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	15	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	13	0
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	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, 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.	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, 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)

02/07/2020

11/04/2021

b) Summary of particulars of non-compliance

Wannon Water breached the suspended solids maximum license limit at the Warrnambool STP on two occasions, the 2nd July 2020 and the 11th April 2021, over the 2020/21 reporting period.

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

Wannon Water believes there would have been no adverse effects to the environment from these two separate, single events. Powerful mixing, dilution and dispersion occurs where the Warrnambool STP waste water outfall discharges to the mixing zone in the southern ocean.

d) Cause of non-compliance

2nd July 2020 – The Warrnambool STP experienced a period of poor settleability as a result of an overabundance of filamentous bacteria favoring low carbon loads in the system.

11th April 2021 – A gearbox issue on the aeration inlet valve in tank 3 impacted on settling and aeration of the tank. The tank was taken offline, however this caused issues with the SCADA programming of the other three tanks in the system. The tanks were not able to complete their normal aeration and settlement cycles, and several partially settled tanks with high suspended solids levels were decanted, resulting in the breach of the maximum suspended solids license limit on the effluent stream.

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

Extra monitoring, sampling and water quality analysis was undertaken. Effluent screens remained in place, and were monitored and cleaned regularly to prevent any overtopping or bypassing.

11th April 2021 – While awaiting the arrival of a new gearbox tank 3 decants were only allowed to occur during the day while operators were onsite to monitor and react to any further valve issues.

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

2nd July 2020 – In an attempt to improve settleability within the plants mixed liquors a review of the plant polymer dosing system was undertaken and found to be not ideal, and increases in dosing rate were ineffective at further lowering suspended solids levels. A new dosing system on the return activated sludge (RAS) line was installed. Poly dosing via the RAS dosing system was started on the 3rd of July and settleability of suspended solids levels in the plant improved significantly thereafter.

11th April 2021 – The faulty tank 3 aeration inlet valve gearbox was replaced on the 16th of April. Maintenance and replacement schedules of gearboxes were also reviewed. Remaining tank gearboxes are being replaced to avoid future failures. Changes to SCADA programming have been made to avoid future out of sequence issues. A large scale upgrade of the SCADA system is currently underway, all SCADA programming will be assessed and updated as required.

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	= 3.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 4.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.750
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	30	= 26.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	30	= 20.000
DP1	pH	Required	Yes	pH	Minimum	6	= 7.700
DP1	pH	Required	Yes	pH	Maximum	9	= 8.400
DP1	Ammonia	Required	Yes	mg/l	Maximum	8	= 2.000
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Maximum	20	= 19.000
DP1	Suspended solids	Required	Yes	mg/l	Maximum	30	= 31.000
DP1	Total nitrogen	Required	Yes	mg/l	Maximum	60	= 55.000
DP1	Total phosphorus	Required	Yes	mg/l	Maximum	45	= 27.000
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	14	11	12	50

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
1,438.70000	1,546.90000	1,386.50000	1,254.30000	5,626.40000

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	= 2.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	200	= 28.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	2	= 0.500
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	10	= 2.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	3	= 0.549
DP1	pH	Required	Yes	pH	Minimum	6	= 6.900
DP1	pH	Required	Yes	pH	Maximum	9	= 7.400
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	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 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	4	0	4	21

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
11.16000	9.04000	0.00000	7.72000	27.92000

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)

03/08/2020

b) Summary of particulars of non-compliance

Between the 03/08/2020 and 29/10/2020 Wannon Water discharged 94.3ML of treated effluent from the Mortlake STP winter storage to the Winnadad (Stony) Creek.

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

Water quality results indicated there was no impact to the water quality of the receiving waterway as a result of the discharge of treated effluent from the Mortlake STP. This is likely due to the combination of low discharge water volumes, dilution/mixing ratios averaging 103:1, dilution with catchment waters in the discharge drain before entering the creek, and the already moderate to poor water quality conditions of the receiving waterway.

d) Cause of non-compliance

The Mortlake sewer system is heavily impacted by stormwater infiltration with plant inflows increasing significantly during wet weather events.

Wet weather in the second half of the 2019/2020 reuse season in Mortlake meant that consistent irrigation was difficult in the latter part of the irrigation season. Irrigation was halted several times between February and April, including for a four week period from the 27th March to 23rd April. Irrigation was stopped at the start of May with the volume in the winter storage greater than expected, and higher than the several years preceding 2020.

Extra water was also retained in the winter storage over the 2019/2020 reuse season as an emergency reserve for the Mortlake Origin Energy gas fired power plant, in light of state wide blackout concerns over summer.

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 undertook mist testing across the entire Mortlake sewer network in early 2021 to try and identify any major contributors to the infiltration issues.
- Wannon Water has contracted GHD, its engineering consultants, to undertake a full review of the Mortlake sewer system and irrigation capacity. This project kicked off in July 2021, and is to be completed by the end of September 2021.
- Wannon Water will continue to work with existing recycled water customer, Origin Energy, to understand their operational requirements for the future, and identify potential options to increase the volume and consistency of their recycled water usage.

WASTEWATER TO LAND

Premises Address: FRAMLINGHAM RD, MORTLAKE VIC 3272

Discharge of Wastewater to Land (ML)	89.900
Number of irrigation Days	77
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)	72.500
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)

01/10/2020

b) Summary of particulars of non-compliance

Between the 01/10/2020 and 17/11/2020 Wannon Water discharged 15.4ML of treated effluent from the Dunkeld WRP winter storage to the Wannon 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

Issues with recycled water usage and with contingency irrigation for the 2019/20 irrigation season resulted in final recycled water usage volumes at the end of the irrigation season being below target. By the end of August 2020 the winter storage was full, and controlled discharge to the Wannon River was necessary to avoid 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:

- Recycled water tariffs removed for the 2020/2021 irrigation season, and continued tariff modifications to further incentivise recycled water usage.
- Engaging our consultant GHD to prepare an options report for our current principal user of recycled water in Dunkeld, to establish best practice treatment at their site and to maximise water usage.
- Leasing / purchasing a new parcel of land adjacent to the Dunkeld WRP to establish a conservative irrigation area well within the total water balance requirements of the system.
- Establish what environmental governances and capital is required to facilitate the immediate and longer-term transfer of recycled water from the Dunkeld WRP winter storage to the newly acquisitioned parcel of land.

WASTEWATER TO LAND

Premises Address: TIP LANE, DUNKELD VIC 3294

Discharge of Wastewater to Land (ML)	13.500
Number of irrigation Days	231
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)	20.800
Number of irrigation Days	77
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, COLERAINE VIC 3315

Discharge of Wastewater to Land (ML)	30.500
Number of irrigation Days	196
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.	YES
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

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	= 5.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	1	= 0.980
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	10	= 2.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	= 4.000
DP1	pH	Required	Yes	pH	Maximum	9	= 9.000
DP1	pH	Required	Yes	pH	Minimum	6	= 8.000
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	= 0.140
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
13	2	0	4	19

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
186.60000	68.30000	0.00000	8.10000	263.00000

WASTEWATER TO LAND

Premises Address: WOOLSTHORPE HEYWOOD RD, HEYWOOD VIC 3304

Discharge of Wastewater to Land (ML)	96.410
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)	46.700
Number of irrigation Days	126
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 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)	80.700
Number of irrigation Days	168
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)

24/09/2020

b) Summary of particulars of non-compliance

Between the 24/09/2020 and 07/10/2020 Wannon Water discharged 86ML of treated effluent from the Terang STP winter storage to the Mt Emu Creek.

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

Water quality results showed there was no impact to the water quality of the Mt Emu Creek as a result of the discharge of treated effluent from the Terang WRP winter storage. This is likely due to the combination of high discharge ratios (median ratio of 109:1), dilution with catchment waters in the discharge drain and dam before entering the creek, and the already poor water quality conditions of the receiving waterway.

d) Cause of non-compliance

Structural and mechanical issues with aging irrigation equipment at the Terang WRP irrigation site over the 2019/2020 irrigation season resulted in extended periods of equipment downtime.

Above average rainfall in February, April and May 2020 also impacted reuse. As a result final irrigated volumes were well below target at the end of the 2019/2020 irrigation season.

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

Over the course of the 2019/20 irrigation season Wannon Water spent almost \$10,000 on emergency repairs to keep the old irrigation equipment working, and endeavour to meet its irrigation obligations. In mid-2020 Wannon Water purchased a new irrigator for the site, which is now commissioned and operational.

At the end of the 2019/20 irrigation season Wannon Water also undertook the following actions:

- A revised site EIP was completed, with input from the site reuse customer.
- Improvements were made to irrigation site conditions, including repairs to irrigator tracks, improved site maintenance and drainage.
- Updates were made to the site reuse operations manual, including details for operation of the new irrigation equipment.
- Improvements to irrigation equipment maintenance programs were made, and outstanding maintenance items were completed.
- An irrigation equipment maintenance program has now been added to Wannon Waters's maintenance management system.

WASTEWATER TO LAND

Premises Address: PETERBOROUGH RD, TERANG VIC 3264

Discharge of Wastewater to Land (ML)	147.500
Number of irrigation Days	147
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 MI per year at a rate of no more than 10 MI 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)

26/08/2020

02/09/2020

08/09/2020

16/09/2020

23/09/2020

29/09/2020

07/10/2020

b) Summary of particulars of non-compliance

Wannon Water exceeded discharge annual medians for ammonia and total nitrogen, and recorded unionized ammonia concentrations in excess of the licence maximum on the 8th, 16th, 23rd and 29th of September 2020.

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

Results of Muddy Creek macroinvertebrate surveys before and during the discharge concluded there was no impact on creek health as a result of discharging.

d) Cause of non-compliance

Although a definitive cause of the elevated ammonia and nitrogen concentrations was not identified, investigations undertaken by Wannon Water identified several potential contributing factors:

- A new trade waste stream from the Hamilton saleyards was introduced to the plant in January 2020. This trade waste stream has a higher organic nitrogen concentration than the domestic waste stream.
- The saleyards trade waste was introduced via a temporary connection to the primary lagoon at the plant, bypassing treatment processes in the trickling filters and humus tanks.
- The balancing storage at the STP was drawn down in May 2020 for pump works. As a result, treated effluent missed between 12 and 30 days detention time throughout the draw down period.
- Increased algal activity in the warmer months contributes to elevated pH in the winter storage, and subsequent increased unionized ammonia concentrations.

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

At all times during the discharge to the Muddy Creek ratios of a minimum 1:21 discharge waters to receiving waters were maintained.

Macroinvertebrate surveys in the Muddy Creek took place before and during discharging. The results of these surveys showed there were no impacts to the creek as a result of discharging.

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

Wannon Water has identified several opportunities to improve management and reduce concentrations of ammonia and nitrogen in the treated effluent:

- Increased monitoring of STP effluent over the discharge period for earlier identification of elevated concentrations of ammonia and nitrogen.
- Upgrade of the transfer pump between the balancing storage and Monivae winter storage to ensure full retention times throughout the treatment process.
- Trade waste from the saleyards to be redirected to the head of the plant to ensure it is exposed to all treatment processes.
- Wannon Water is reviewing their algae strategy for wastewater storages, so that storage pH can be better controlled.

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	= 7.000
DP1	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	10	= 2.000
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	9	= 13.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	5	= 4.500
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	10	= 2.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	= 14.000
DP1	pH	Required	Yes	pH	Maximum	9.3	= 8.900
DP1	pH	Required	Yes	pH	Minimum	6	= 8.000
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	= 0.330
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
6	1	0	0	7

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
229.20000	42.60000	0.00000	0.00000	271.80000

WASTEWATER TO LAND

Premises Address: BEATH ST, HAMILTON VIC 3300

Discharge of Wastewater to Land (ML)	425.700
Number of irrigation Days	280
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'.	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)	378.600
Number of irrigation Days	294
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	= 4.000
DP2	Biochemical oxygen demand (5 day)	Required	Yes	mg/l	Annual Median	30	= 7.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 6.000
DP2	Suspended solids	Required	Yes	mg/l	Annual Median	150	= 18.000
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	= 11.000
DP2	Total nitrogen	Required	Yes	mg/l	Annual Median	35	= 12.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	10	= 4.000
DP2	Total phosphorus	Required	Yes	mg/l	Annual Median	160	= 67.000
DP1	pH	Required	Yes	pH	Minimum	6	= 7.800
DP2	pH	Required	Yes	pH	Minimum	6	= 8.100
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	= 652.000
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
26	24	24	25	99

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
215.90000	236.40000	198.20000	201.70000	852.20000

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	= 14.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	20	= 8.000
DP1	Ammonia	Required	Yes	mg/l	Annual Median	25	= 1.000
DP1	Total nitrogen	Required	Yes	mg/l	Annual Median	35	= 6.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	10	= 5.000
DP1	pH	Required	Yes	pH	Minimum	6	= 7.500
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
473.70000	502.70000	400.50000	442.80000	1,819.70000

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 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	= 4.000
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	= 7.000
DP1	Total phosphorus	Required	Yes	mg/l	Annual Median	5	= 2.000
DP1	Suspended solids	Required	Yes	mg/l	Annual Median	15	= 5.000
DP1	Escherichia Coli	Required	Yes	org/100ml	Annual Median	100	= 9.000
DP1	pH	Required	Yes	pH	Maximum	9.6	= 8.100
DP1	pH	Required	Yes	pH	Minimum	6	= 7.600
DP1	Unionised ammonia	Required	Yes	mg/l	Maximum	0.2	= 0.095
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
6	5	0	3	14

Total amount discharged per quarter (ML)

Q1 (Jul - Sep)	Q2 (Oct - Dec)	Q3 (Jan - Mar)	Q4 (Apr - Jun)	Total
76.00000	29.00000	0.00000	37.00000	142.00000

WASTEWATER TO LAND

Premises Address: SEWAGE TREATMENT WORKS RD, COBDEN VIC 3266

Discharge of Wastewater to Land (ML)	105.000
Number of irrigation Days	161
Net Irrigation Area (hectares)	42