



A. Statement of Compliance - Licence Details

ALL Licence holders must check that the Licence details in Section A are correct.

If there are changes to any of these details, **you must advise Environment Protection Authority (EPA) and apply as soon as possible for a variation to your Licence or for a Licence transfer.**

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing-and-regulation/licensing> or from regional offices of the EPA, or by contacting by telephone 02 9995 5700.

If you are applying to vary or transfer your Licence, you must still complete and submit this Annual Return.

A1. Licence holder

Licence number : 13266
Licence holder : BYRON SHIRE COUNCIL
Trading name (if applicable) :
ABN : 14 472 131 473
ACN :
Reporting period : From: 27-4-2024 To: 26-4-2025

A2. Premises to which Licence Applies (if applicable)

Common name (if any) : Brunswick Valley Sewage Treatment Plant
Premises : Vallances Road MULLUMBIMBY 2482 NSW

A3. Activities to which Licence Applies

Sewage treatment

A4. Other Activities (if applicable)

A5. Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

Fee-based activity	Activity scale	Unit of measure
Sewage treatment processing by small plants	> 1,000.00 - 5,000.00	ML annual maximum volume of discharge

A6. Assessable Pollutants (if applicable)

Note that the identification of assessable pollutants is used to calculate the **load-based fee**. The following assessable pollutants are identified for the fee-based activity classifications in the licence:

Sewage treatment processing by small plants

- BOD (Estuarine Water)
- Nitrogen (total) (Estuarine Water)
- Oil and Grease (Estuarine Water)
- Phosphorus (total) (Estuarine Water)
- Total suspended solids (Estuarine Water)

B. Monitoring and Complaints Summary

B1. Number of Pollution Complaints

Pollution Complaint Category	Complaints
Air	5
Water	7
Noise	0
Waste	0
Other	0
Total complaints recorded by the licensee during the reporting period	12

B2. Concentration Monitoring Summary

For each concentration monitoring point identified in your licence, details are displayed below. If concentration monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

Discharge & Monitoring Point 1

Discharge to Waters, Discharge pipe on eastern arm of western billabong of Brunswick River at 550568E and 6842193N

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	26	26	<0.02	0.21	2.64
BOD	milligrams per litre	26	26	<1	1.2	4.5



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Faecal Coliforms	colony forming units per 100 millilitres	26	26	10	182	810
Nitrogen (total)	milligrams per litre	26	26	0.49	1.53	3.83
Oil and Grease	milligrams per litre	26	26	<2	1.0	<2
pH	pH	26	26	6.7	7.1	7.6
Phosphorus (total)	milligrams per litre	26	26	<0.02	0.10	0.17
Total suspended solids	milligrams per litre	26	26	<1	2.8	4.5

Monitoring Point 8

Effluent Quality Monitoring (Reuse), Tap on Effluent Reuse Line at corner of Main Arm Rd and Johnstones Ln Main Arm. 545057E and 6843676N

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Ammonia	milligrams per litre	26	9	<0.02	0.22	0.54
BOD	milligrams per litre	26	9	<1	6.3	11.0
Faecal Coliforms	colony forming units per 100 millilitres	26	9	<10	37	240
Nitrogen (total)	milligrams per litre	26	9	1.6	3.0	5.0
Oil and Grease	milligrams per litre	26	9	<2	1.1	2
pH	pH	26	9	6.3	6.8	7.6
Phosphorus (total)	milligrams per litre	26	9	0.25	0.39	0.60
Total suspended solids	milligrams per litre	26	9	8.8	33.3	62.0

B2 Concentration Monitoring Comments

Effluent Reuse System not in use for the whole Licence year

B3. Volume or Mass Monitoring Summary

For each volume or mass monitoring point identified in your licence, details are displayed below. If volume or mass monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate volume or mass monitoring of assessable pollutants are required by load-based licensing (if applicable).

Monitoring Point 5

Total Volume Monitoring, Two magflow meters on Inlet Works @ 551002E and 6841820N

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	Highest result
kilolitres per day	Daily	365	1079	3089	16070

Monitoring Point 6

Volume Monitoring (Effluent Reuse), Magflow meter on Mainarm reuse pump well at 548984E and 6842320N

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	Highest result
kilolitres per day	Daily	365	0	22	772

Monitoring Point 7

Total Volume Monitoring, Discharge volume monitoring via Magflow meter @ 550856E and 6842333N

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	Highest result
kilolitres per day	Daily	364	493	3406	17386

C. Statement of Compliance - Licence Conditions

C1. Compliance with Licence Conditions

Were all conditions of the licence complied with (including monitoring and reporting requirements)?	No
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C2. Details of Non-Compliance with Licence

Licence condition number not complied with ▼
Licence clause L3.4 Concentration Limits – Exceedance of the 100th %tile limit for Faecal Coliforms
Summary of particulars of the non-compliance ▼



Concentration of 810 cfu/100mL Faecal Coliforms at EPA P1 exceeding the 100th percentile limit of 600 cfu/100mL.

Further details on particulars of non-compliance, if required ▼

Number of times occurred ▼

1

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

12/03/2025

Cause of non-compliance ▼

Faecal coliform exceedance at EPA3 due heavy rainfall during cyclone Alfred, significantly increasing the flows above flows that can adequately be treated.

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

Monitored the flows until they came back into normal operation when rain event ceased.

Action taken or that will be taken to prevent a recurrence of the non-compliance ▼

No further action.

Uploaded Document Name ▼

Uploaded Document Description ▼

Licence condition number not complied with ▼

Licence clause L3.4 Concentration Limits – Exceedance of the 100th %tile limit for Faecal Coliforms

Summary of particulars of the non-compliance ▼

Concentration of 740 cfu/100mL Faecal Coliforms at EPA P1 exceeding the 100th percentile limit of 600 cfu/100mL.

Further details on particulars of non-compliance, if required ▼

Number of times occurred ▼

1

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

26/03/2025

Cause of non-compliance ▼

Faecal coliform exceedance at EPA3 due heavy rainfall, significantly increasing the flows above flows that can adequately be treated.

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



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Monitored the flows until they came back into normal operation. Resample taken and monitored UV to ensure operation back to normal.

Action taken or that will be taken to prevent a recurrence of the non-compliance ▼

No further action

Uploaded Document Name ▼

Uploaded Document Description ▼

Licence condition number not complied with ▼

Licence clause L3.4 Concentration Limits – Exceedance of the 90th %tile limit for Faecal Coliforms

Summary of particulars of the non-compliance ▼

The 90th percentile limit for Faecal Coliforms was breached at EPA1. Only 69.2 % of Samples (18 of 26 samples) were below the EPA P1 limit of 200 cfu/100mL.

Further details on particulars of non-compliance, if required ▼

Number of times occurred ▼

1

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

Cause of non-compliance ▼

Over the past year we had a number of problems with the disinfection of the treated water. It was an unseasonally wet year, and we had two disinfection failures due to the UV system being overwhelmed by increased flows through it. But we also had problems and a number of failures due to the poor performance of the UV system.

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

Every UV lamp was replaced in September 2024. However, the system failed again in October. So, we cleaned the carrier tubes which need to be clear for effective transmission of the UV light. We also had a failure due to an unplanned power outage coupled with the failure of the backup generator to operate.

Action taken or that will be taken to prevent a recurrence of the non-compliance ▼

Now we are carrying out regular scheduled maintenance cleans of the UV carrier tubes. We are expecting this to help the effectiveness of the UV system. This was not being done regularly enough. Now we have this job on our maintenance schedule to help prevent it from being overlooked in the future. The generator failure was due to it not being checked as a daily routine. The importance of this is being stressed to the operations staff. And we have daily checklist sheets that we are requiring for the operators to complete and lodge as completed.

Uploaded Document Name ▼

Uploaded Document Description ▼



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Licence condition number not complied with ▼

Non-Compliance: M2.2 – Water Monitoring Requirements – Monitoring Frequency

Summary of particulars of the non-compliance ▼

Breach of 'Special Frequency 1' monitoring frequency due to Failure to take the effluent water quality samples at monitoring point EPA8

Further details on particulars of non-compliance, if required ▼

Number of times occurred ▼

17

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

8 May-19 Jun 2024, 14 Aug & 20 Nov2024-23 Apr 2025

Cause of non-compliance ▼

Technical Breach only. The effluent re-use system was not in operation for some periods in licence year, therefore no sample could be taken.

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

No further action

Action taken or that will be taken to prevent a recurrence of the non-compliance ▼

No further action

Uploaded Document Name ▼

Uploaded Document Description ▼

Licence condition number not complied with ▼

Non-Compliance: M7.1 – Requirement to Monitor Volume or Mass

Summary of particulars of the non-compliance ▼

Breach of requirement to monitor flow volume daily at monitoring point EPA7 (one day).

Further details on particulars of non-compliance, if required ▼

Number of times occurred ▼

1

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

13/11/2024

Cause of non-compliance ▼

The daily volume was not recorded due to a SCADA outage.



Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
Flow data was infilled in line with the Load Calculation Protocol (June 2009) for missing continuous data
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
No further action taken
Uploaded Document Name ▼
Uploaded Document Description ▼

D. Statement of Compliance - Load Based Fee Calculation

If you are not required to monitor assessable pollutants by your licence, **no data** will appear below.

If assessable pollutants have been identified on your licence, the following worksheets for each assessable pollutant will determine your load based fee for the licence fee period to which this Annual Return relates.

Loads of assessable pollutants must be calculated using any of the methods provided in EPA's Load Calculation Protocol for the relevant activity. A Load Calculation Protocol would have been already sent to you with your licence. If you require additional copies, you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

Assessable Pollutant	Assessable Load	Actual Load	Pollutant Fee
BOD discharged to Estuarine Water	1387.0	1387.0	\$3.80
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)
Sewage treatment processing by small plants	1127	1387 (Source monitoring, Method: APHA 5210B)	
Nitrogen (total) discharged to Estuarine Water	1820.0	1820.0	\$119.79
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)
Sewage treatment processing by small plants	1127	1820 (Source monitoring, Method: APHA 4500-N)	



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Oil and Grease discharged to Estuarine Water		1127.0	1127.0	\$185.45
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1127	1127 (Source monitoring, Method: APHA 5520 D)		
Phosphorus (total) discharged to Estuarine Water		107.0	107.0	\$70.43
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1127	107 (Source monitoring, Method: APHA 4500-P)		
Total suspended solids discharged to Estuarine Water		3273.0	3273.0	\$170.55
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1127	3273 (Source monitoring, Method: APHA 2540 D)		

E. Statement of Compliance - Requirement to Prepare PIRMP

Have you prepared a Pollution Incident Response Management Plan (PIRMP) as required under section 153A of the Protection of the Environment Operations (POEO) Act 1997?	Yes
Is the PIRMP available at the premises?	Yes
Is the PIRMP available in a prominent position on a publicly accessible website?	Yes
Address of the web page where the PIRMP can be accessed ▼	
https://www.byron.nsw.gov.au/Services/Water-and-sewer/Sewer/Pollution-Incident-Response	
Has the PIRMP been tested?	No
Has the PIRMP been updated?	No
Number of times the PIRMP was activated in this reporting period?	1
The PIRMP was activated on	07/03/2025

F. Statement of Compliance - Requirement to Publish Pollution Monitoring Data



Are there any conditions attached to your licence that require pollution monitoring to be undertaken as required under section 66(6) of the Protection of the Environment Operations (POEO) Act 1997?	No
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G. Statement of Compliance - Environment Management System and Practices

Do you have an ISO 14001 certified Environmental Management System (EMS) OR any other system that EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 certified EMS?	No
Have you conducted an assessment of your activities and operations to identify the aspects that have a potential to cause environmental impacts and implemented operational controls to address these aspects?	Yes
Have you established and implemented an operational maintenance program, including preventative maintenance?	Yes
Do you keep records of regular inspections and maintenance of plant and equipment?	Yes
Do you conduct regular (at least yearly) environmental audits at the premises that are conducted by a competent and independent person?	No
Have you undertaken an independent environmental audit covering documented environmental practices, procedures and systems in place during the annual return period?	No
Have you established and implemented an environmental improvement or management plan?	No
Do you train staff in environmental issues that may arise from your activities and operations at the premises and keep records of this?	Yes

H. Signature and Certification

This Annual Return may only be signed by person(s) with legal authority to sign it as set out in following categories: an Individual, a Company, a Public authority or a Local council.

It is an offence under section 66 of the Protection of the Environment Operations Act 1997 to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation and \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in Section B of this Annual Return application is correct and not false or misleading in a material respect, and
- certify that the information in the Statement and Compliance in sections A, C, D, E, F, G and H and any other pages attached to Section C is correct and not false or misleading in a material respect.



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Signed by: General Manager	
Name	Mark Arnold
Position	General Manager
Email Address	marnold@byron.nsw.gov.au
Phone Number	0266267155

Signature	
Name	
Position	
Date	/ /

Declaration

I declare that the information in the **Monitoring and Complaints Summary** in section B of this Annual Return is correct and not false or misleading in a material respect, and

I certify that the information in the **Statement of Compliance** in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.