



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 : 3404
Licence holder : BYRON SHIRE COUNCIL
Trading name (if applicable) :
ABN : 14 472 131 473
ACN :
Reporting period : From: 27-4-2023 To: 26-4-2024

A2. Premises to which Licence Applies (if applicable)

Common name (if any) : BYRON SEWAGE TREATMENT WORKS
Premises : BAYSHORE DRIVE BYRON BAY 2481 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 (Enclosed Water)
- Nitrogen (total) (Enclosed Water)
- Oil and Grease (Enclosed Water)
- Phosphorus (total) (Enclosed Water)
- Total suspended solids (Enclosed Water)

B. Monitoring and Complaints Summary

B1. Number of Pollution Complaints

Pollution Complaint Category	Complaints
Air	7
Water	11
Noise	2
Waste	0
Other	0
Total complaints recorded by the licensee during the reporting period	20

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 wetland

Effluent Quality Monitoring, outlet of STP as marked on map #598568 attached to Council's letter dated 2 June 2006

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Biochemical oxygen demand	milligrams per litre	26	26	<1	1.0	2.7



Faecal Coliforms	colony forming units per 100 millilitres	26	26	<1	40	650
Nitrogen (ammonia)	milligrams per litre	26	26	<0.02	0.11	0.79
Nitrogen (total)	milligrams per litre	26	26	0.65	2.36	14.8
Oil and Grease	milligrams per litre	26	26	<2	1.2	3
pH	pH	26	26	6.8	7,0	7,3
Phosphorus (total)	milligrams per litre	26	26	0.05	0.11	0.24
Total suspended solids	milligrams per litre	26	26	1.0	3.8	9.2

Discharge & Monitoring Point 3

Effluent Reuse - Volume and Quality Monitoring, Wetland pump station SPS 3028 - as shown on map #598567 attached to Council's letter dated 2 June 2006

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
BOD	milligrams per litre	26	26	<1	1.1	42
Faecal Coliforms	colony forming units per 100 millilitres	26	26	120	542	1310
Nitrogen (ammonia)	milligrams per litre	26	26	0.01	0.14	0.57
Nitrogen (total)	milligrams per litre	26	26	0.52	1.33	5.57
Oil and Grease	milligrams per litre	26	26	<2	1.2	3
pH	pH	26	26	6.7	6.9	7.4
Phosphorus (total)	milligrams per litre	26	26	0.06	0.16	0.29
Total suspended solids	milligrams per litre	26	26	<1	3.7	14.0

Discharge & Monitoring Point 4

Discharge from wetland, Outlet of the constructed wetland as marked on map #598567 attached to Council's letter dated 2 June 2006

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Phosphorus (total)	milligrams per litre	26	26	0.05	0.15	0.55

Discharge & Monitoring Point 5

Discharge to urban re-use pipeline - Volume and Quality Monitoring, Outlet to urban re-use pipeline as marked on map #598570 attached to Council's letter dated 2 June 2006

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Chlorine (total residual)	milligrams per litre	26	26	0.44	1.17	2.37

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 2

Total volume monitoring, Magnetic flow meters on the rising mains at the entrance to the plant as marked on map #598570 attached to Council's letter dated 2 June 2006

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	Highest result
kilolitres per day	Continuous	366	2923	4854	15666

Discharge & Monitoring Point 3

Effluent Reuse - Volume and Quality Monitoring, Wetland pump station SPS 3028 - as shown on map #598567 attached to Council's letter dated 2 June 2006

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	Highest result
kilolitres per day	Continuous	366	1	143	445

Discharge & Monitoring Point 5

Discharge to urban re-use pipeline - Volume and Quality Monitoring, Outlet to urban re-use pipeline as marked on map #598570 attached to Council's letter dated 2 June 2006

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	Highest result
kilolitres per day	Continuous	366	311	531	1035

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 ▼
Non-Compliance: L3.4 – Concentration Limits – EPA1
Summary of particulars of the non-compliance ▼
Faecal Coliforms reading of 650 cfu/100mL 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 ▼
14/2/2024
Cause of non-compliance ▼
Investigation found that the UV had a bank failure which did not alarm or record an issue due a communications failure in our Scada system.
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
This issue was reported to the EPA (EPA Ref: 27136). Council electricians investigated and repaired the fault within the UV treatment unit at the STP. Post repair a retest recorded a result of 5cfu/100ml which is within normal operations.
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
Reviewed the instrumentation planned maintenance schedule and undertook training with operational staff on this instrumentation. Council electricians have undertaken a full review of UV related alarms in Council's SCADA system to mitigate against a reoccurrence of this issue.
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 Enclosed Water		1693.0	1693.0	\$9.10
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1777	1693 (Source monitoring, Method: APHA 5210B)		
Nitrogen (total) discharged to Enclosed Water		3646.0	3646.0	\$450.57
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1777	3646 (Source monitoring, Method: APHA 4500-N)		
Oil and Grease discharged to Enclosed Water		1989.0	1989.0	\$790.83
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1777	1989 (Source monitoring, Method: APHA 5520 D)		



Annual Return

BYRON SHIRE COUNCIL

Licence 3404

Phosphorus (total) discharged to Enclosed Water		200.0	200.0	\$730.73
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1777	200 (Source monitoring, Method: APHA 4500-P)		
Total suspended solids discharged to Enclosed Water		6632.0	6632.0	\$2,779.43
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	1777	6632 (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?	Yes
The PIRMP was last tested on	1-7-2023
Has the PIRMP been updated?	No
Number of times the PIRMP was activated in this reporting period?	1
The PIRMP was activated on	21/07/2023

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.

Signed by: General Manager

Name	Mark Arnold
Position	General Manager



Annual Return

BYRON SHIRE COUNCIL

Licence 3404

Email Address	MArnold@byron.nsw.gov.au
Phone Number	0266267155
Signature	
Name	
Position	
Date	/ /
Declaration	
<p>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</p>	
<p>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.</p>	