

## 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** : 2522  
**Licence holder** : BYRON SHIRE COUNCIL  
**Trading name (if applicable)** :  
**ABN** : 14 472 131 473  
**ACN** :  
**Reporting period** : From: 27-4-2022 To: 26-4-2023

### A2. Premises to which Licence Applies (if applicable)

**Common name (if any)** : BANGALOW SEWAGE TREATMENT WORKS  
**Premises** : DUDGEONS LANE BANGALOW 2479 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	> 219.00 - 1,000.00	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	2
Water	1
Noise	0
Waste	0
Other	0
<b>Total complaints recorded by the licensee during the reporting period</b>	<b>3</b>

### 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).

#### Monitoring Point 4

Effluent quality monitoring, At the inlet to the pump well as shown on the Process Diagram supplied with Councils letter of 29 January 2008

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	27	27	<1	0.8	2.1
Faecal Coliforms	colony forming units per 100 millilitres	27	27	<1	5	20



Nitrogen (ammonia)	milligrams per litre	27	27	0.03	0.84	12.30
Nitrogen (total)	milligrams per litre	27	27	0.95	4.37	12.60
Oil and Grease	milligrams per litre	27	27	<2	1.0	2.0
pH	pH	27	27	6.6	7.2	7.5
Phosphorus (total)	milligrams per litre	27	27	<0.02	0.04	0.12
Total suspended solids	milligrams per litre	27	27	<1	0.5	1.0

### 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, Marked as 'inlet sample point' on site plan drawing number WT1180M020 supplied on 12/9/07

Unit of measure	Frequency	No. of measurements made	Lowest result	Mean result	Highest result
kilolitres per day	Daily	365	245	467	2675

#### Discharge & Monitoring Point 3

Volume Monitoring [Effluent Reuse], As shown on Bangalow STW Treatment Process Diagram [refer EPA Site No. 3] attached to Council's Email dated 23 May 2005.

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

#### B3 Mass Monitoring Comments

Effluent Reuse System not in use in License year

## C. Statement of Compliance - Licence Conditions

### C1. Compliance with Licence Conditions



# Annual Return

BYRON SHIRE COUNCIL

Licence 2522

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

<b>Licence condition number not complied with ▼</b>
Licence clause L3.4 – Concentration Limits – EPA 4
<b>Summary of particulars of the non-compliance ▼</b>
Exceedance of 100th Percentile Limit of 5 mg/ml of Nitrogen (Ammonia) = 12.3 mg/ml
<b>Further details on particulars of non-compliance, if required ▼</b>
<b>Number of times occurred ▼</b>
1
<b>Date(s) when the non-compliance occurred, if applicable ▼</b>
11 May 2022
<b>Cause of non-compliance ▼</b>
This exceedance was due to a heavy rainfall event over the preceding days which required diversion of flows to the effluent return pond. This stormwater when pumped back from the effluent return pond for treatment impacted the treatment process as it had high ammonia levels.
<b>Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼</b>
Operators increased the Dissolved Oxygen (D.O.) setpoints to increase aeration and lower Ammonia concentrations. The Ammonia levels were monitored until they were back within operational limits. Normal operation of the treatment process was reinstated.
<b>Action taken or that will be taken to prevent a recurrence of the non-compliance ▼</b>
Actioned electricians to complete a D.O. sensor clean and service. Ensure the planned maintenance servicing of the D.O. sensor and aerators is undertaken.
<b>Uploaded Document Name ▼</b>
<b>Uploaded Document Description ▼</b>

## D. Statement of Compliance - Load Based Fee Calculation



# Annual Return

BYRON SHIRE COUNCIL

Licence 2522

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
<b>BOD discharged to Enclosed Water</b>		<b>130.1</b>	<b>130.1</b>	<b>\$0.68</b>
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	170.3	130.1 (Source monitoring, Method: APHA 5210B)		
<b>Nitrogen (total) discharged to Enclosed Water</b>		<b>754.2</b>	<b>754.2</b>	<b>\$91.28</b>
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	170.3	754.2 (Source monitoring, Method: APHA 4500-N)		
<b>Oil and Grease discharged to Enclosed Water</b>		<b>174.8</b>	<b>174.8</b>	<b>\$68.07</b>
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	170.3	174.8 (Source monitoring, Method: APHA 5520 D)		
<b>Phosphorus (total) discharged to Enclosed Water</b>		<b>5.8</b>	<b>5.8</b>	<b>\$20.75</b>
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	170.3	5.8 (Source monitoring, Method: APHA 4500-P)		



# Annual Return

BYRON SHIRE COUNCIL

Licence 2522

<b>Total suspended solids discharged to Enclosed Water</b>		<b>89.7</b>	<b>89.7</b>	<b>\$36.82</b>
Load based licence activity	Actual quantity	Actual load (Calculation method)	Weighted Load (Calculation method)	Agreed load
Sewage treatment processing by small plants	170.3	89.7 (Source monitoring, Method: APHA 2540 D)		

## E. Statement of Compliance - Requirement to Prepare PIRMP

<b>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?</b>	<b>Yes</b>
Is the PIRMP available at the premises?	<b>Yes</b>
Is the PIRMP available in a prominent position on a publicly accessible website?	<b>Yes</b>
Address of the web page where the PIRMP can be accessed ▼	
<a href="https://www.byron.nsw.gov.au/Services/Water-and-sewer/Sewer/Pollution-Incident-Response">https://www.byron.nsw.gov.au/Services/Water-and-sewer/Sewer/Pollution-Incident-Response</a>	
Has the PIRMP been tested?	<b>No</b>
Has the PIRMP been updated?	<b>No</b>
Number of times the PIRMP was activated in this reporting period?	<b>0</b>
The PIRMP was activated on	

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

<b>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?</b>	<b>No</b>
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## G. Statement of Compliance - Environment Management System and Practices

<b>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?</b>	<b>No</b>
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# Annual Return

BYRON SHIRE COUNCIL

Licence 2522

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

<b>Name</b>	Mark Arnold
<b>Position</b>	General Manager
<b>Email Address</b>	marnold@byron.nsw.gov.au
<b>Phone Number</b>	0439607246

<b>Signature</b>	
<b>Name</b>	



# Annual Return

BYRON SHIRE COUNCIL

Licence 2522

<b>Position</b>	
<b>Date</b>	/ /
<b>Declaration</b>	
<p>I declare that the information in the <b>Monitoring and Complaints Summary</b> 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 <b>Statement of Compliance</b> 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>	