

NOTICE OF MEETING



WATER, WASTE AND SEWER ADVISORY COMMITTEE MEETING

A Water, Waste and Sewer Advisory Committee Meeting of Byron Shire Council will be held as follows:

Venue	Conference Room, Station Street, Mullumbimby
Date	Thursday, 1 November 2018
Time	11.30am

A handwritten signature in black ink, appearing to read 'Phillip Holloway', is positioned above the printed name.

Phillip Holloway
Director Infrastructure Services

CONFLICT OF INTERESTS

What is a “Conflict of Interests” - A conflict of interests can be of two types:

Pecuniary - an interest that a person has in a matter because of a reasonable likelihood or expectation of appreciable financial gain or loss to the person or another person with whom the person is associated.

Non-pecuniary – a private or personal interest that a Council official has that does not amount to a pecuniary interest as defined in the Local Government Act (eg. A friendship, membership of an association, society or trade union or involvement or interest in an activity and may include an interest of a financial nature).

Remoteness – a person does not have a pecuniary interest in a matter if the interest is so remote or insignificant that it could not reasonably be regarded as likely to influence any decision the person might make in relation to a matter or if the interest is of a kind specified in Section 448 of the Local Government Act.

Who has a Pecuniary Interest? - a person has a pecuniary interest in a matter if the pecuniary interest is the interest of the person, or another person with whom the person is associated (see below).

Relatives, Partners - a person is taken to have a pecuniary interest in a matter if:

- The person’s spouse or de facto partner or a relative of the person has a pecuniary interest in the matter, or
- The person, or a nominee, partners or employer of the person, is a member of a company or other body that has a pecuniary interest in the matter.

N.B. “Relative”, in relation to a person means any of the following:

(a) the parent, grandparent, brother, sister, uncle, aunt, nephew, niece, lineal descends or adopted child of the person or of the person’s spouse;

(b) the spouse or de facto partners of the person or of a person referred to in paragraph (a)

No Interest in the Matter - however, a person is not taken to have a pecuniary interest in a matter:

- If the person is unaware of the relevant pecuniary interest of the spouse, de facto partner, relative or company or other body, or
- Just because the person is a member of, or is employed by, the Council.
- Just because the person is a member of, or a delegate of the Council to, a company or other body that has a pecuniary interest in the matter provided that the person has no beneficial interest in any shares of the company or body.

Disclosure and participation in meetings

- A Councillor or a member of a Council Committee who has a pecuniary interest in any matter with which the Council is concerned and who is present at a meeting of the Council or Committee at which the matter is being considered must disclose the nature of the interest to the meeting as soon as practicable.
- The Councillor or member must not be present at, or in sight of, the meeting of the Council or Committee:
 - (a) at any time during which the matter is being considered or discussed by the Council or Committee, or
 - (b) at any time during which the Council or Committee is voting on any question in relation to the matter.

No Knowledge - a person does not breach this Clause if the person did not know and could not reasonably be expected to have known that the matter under consideration at the meeting was a matter in which he or she had a pecuniary interest.

Participation in Meetings Despite Pecuniary Interest (S 452 Act)

A Councillor is not prevented from taking part in the consideration or discussion of, or from voting on, any of the matters/questions detailed in Section 452 of the Local Government Act.

Non-pecuniary Interests - Must be disclosed in meetings.

There are a broad range of options available for managing conflicts & the option chosen will depend on an assessment of the circumstances of the matter, the nature of the interest and the significance of the issue being dealt with. Non-pecuniary conflicts of interests must be dealt with in at least one of the following ways:

- It may be appropriate that no action be taken where the potential for conflict is minimal. However, Councillors should consider providing an explanation of why they consider a conflict does not exist.
- Limit involvement if practical (eg. Participate in discussion but not in decision making or vice-versa). Care needs to be taken when exercising this option.
- Remove the source of the conflict (eg. Relinquishing or divesting the personal interest that creates the conflict)
- Have no involvement by absenting yourself from and not taking part in any debate or voting on the issue as if the provisions in S451 of the Local Government Act apply (particularly if you have a significant non-pecuniary interest)

RECORDING OF VOTING ON PLANNING MATTERS

Clause 375A of the Local Government Act 1993 – Recording of voting on planning matters

- (1) In this section, **planning decision** means a decision made in the exercise of a function of a council under the Environmental Planning and Assessment Act 1979:
 - (a) including a decision relating to a development application, an environmental planning instrument, a development control plan or a development contribution plan under that Act, but
 - (b) not including the making of an order under Division 2A of Part 6 of that Act.
- (2) The general manager is required to keep a register containing, for each planning decision made at a meeting of the council or a council committee, the names of the councillors who supported the decision and the names of any councillors who opposed (or are taken to have opposed) the decision.
- (3) For the purpose of maintaining the register, a division is required to be called whenever a motion for a planning decision is put at a meeting of the council or a council committee.
- (4) Each decision recorded in the register is to be described in the register or identified in a manner that enables the description to be obtained from another publicly available document, and is to include the information required by the regulations.
- (5) This section extends to a meeting that is closed to the public.

BYRON SHIRE COUNCIL
WATER, WASTE AND SEWER ADVISORY COMMITTEE MEETING

BUSINESS OF MEETING

1. APOLOGIES

2. DECLARATIONS OF INTEREST – PECUNIARY AND NON-PECUNIARY

3. ADOPTION OF MINUTES FROM PREVIOUS MEETINGS

3.1 Water, Waste and Sewer Advisory Committee Meeting held on 13 September 2018

4. STAFF REPORTS

Infrastructure Services

4.1	Effects of water mining in Byron and surrounding shires on groundwater resources	4
4.2	Inflow and Infiltration Update	6
4.3	Minutes of 13 September 2018 meeting - Water, Waste and Sewer Advisory Committee.....	13

STAFF REPORTS - INFRASTRUCTURE SERVICES

Report No. 4.1 **Effects of water mining in Byron and surrounding shires on groundwater resources**

5 **Directorate:** Infrastructure Services
Report Author: Dean Baulch, Principal Engineer, Systems Planning
File No: I2018/1920
Theme: Infrastructure Services
10 Water Supplies

Summary:

15 Cr Lyon had requested a report the research done, being done, proposed to be done on the effects of water mining in Byron and surrounding shires on groundwater resources and their quality and the downstream effects of the practice on the environment, farming etc.

20 The short answer is that Byron Shire Council nor Rous County Council is investigating any water mining activities per-se (or their impacts on the Future Water Strategy) but Rous County Council can provide a report on its Groundwater investigations completed to date.

RECOMMENDATION:

That the committee note the report

25

Report

Cr Lyon had requested a report on the following :

- 5 “Can we get a report on the research done, being done, proposed to be done on the effects of water mining in Byron and surrounding shires on groundwater resources and their quality and the downstream effects of the practice on the environment, farming etc.”

10 The short answer is that Byron Shire Council nor Rous County Council is investigating any water mining activities per-se (or their impacts on the Future Water Strategy) but Rous can provide a report on its Groundwater investigations completed to date.

15 In essence, Rous must demonstrated “no impact” on existing Groundwater Licences – Rous is not aware of any for bottle water plants in the investigation areas currently being considered.

15 We are aware of issues raised in the Tweed Shire regarding water sourced from private bores:

- <https://www.abc.net.au/news/2018-03-21/global-bottled-water-boom-sparks-tweed-valley-water-fight/9566368>
- <https://www.echo.net.au/2018/03/tweed-water-mining-spotlight/>

20 Groundwater licences and bores are managed and regulated by the State Government through the Department of Industry.

25

Report No. 4.2 **Inflow and Infiltration Update**
Directorate: Infrastructure Services
Report Author: Jason Stanley, Systems Planning Officer
File No: I2018/1957
5 **Theme:** Infrastructure Services
 Sewerage Services



Summary:

10
15
Dry weather and rainfall events have allowed for continuous calibration of Council’s SCADA system since September. Results have identified areas of relatively high infiltration and inflow. Ultrasonic flow metering will be implemented for three months in these areas to obtain a detailed flow data within the sewerage network. This data will be used as a baseline to see what level of improvement is found when I/I trial projects or mitigations measures are implemented.

RECOMMENDATION:

That the Committee note the report

Attachments:

1 FLO-DARSensor, E2018/85329 , page 9  

25

Report

The Mullumbimby Inflow and Infiltration (I/I) project has utilised the SCADA derived inflows at each Sewage Pumping Station (SPS) to identify areas where relatively high I/I is occurring. In conjunction with Australian Wetlands Consulting, rainfall events and dry weather periods since September have allowed for ongoing calibration of this derived flow and allowed investigation into suitable places for monitoring and development of WSUD concepts.

Data monitoring within Mullumbimby catchment

Dry weather and rainfall events from September to October have allowed for the continual calibration of the derived I/I for each sewerage network within Mullumbimby. This will be a continuous process as more data becomes available. The following processes are underway to increase understanding of I/I within the Mullumbimby catchment:

- Environmental Data Services (EDS) have been contracted to setup 3 x “FLO-DAR” non-contact sensors within gravity sewerage manholes to perform detailed flow monitoring for a three month period. EDS will also install rain gauge as part of this three month trial to verify rainfall intensity. (*Attachment 1 E2018/85329*) This data monitoring is expected to be established by mid-November. This three month trial is anticipated to provide a reliable baseline to be used for future trial projects.
- Draw down tests have been scheduled within the next 3 months for each SPS in Mullumbimby. In the past a draw down test was performed by having a pump running and then measuring the time it takes to drop the level in the well by ~300mm as measured with a linen tape attached to a wooden float. By knowing the well diameter, the volume occupied by the 300mm can be determined and the pump out rate calculated. This level of detail of this style of test is indicative so an ultrasonic level sensor is being developed which can be mounted at the top of the well. This upgraded draw down test will initially be performed in Mullumbimby to increase I/I data but will be rolled out to all SPS sites to ensure efficiency across the network.
- Weather stations are to be implemented across BSC’s network with three weather station planned to be setup across the Mullumbimby catchment within the next 3 months.

Gravity sewerage assessment

Data monitoring indicates that CCTV investigation is required for the sewerage and stormwater networks in central Mullumbimby. Contractors have been consulted and a RFQ is currently being developed to perform these investigation works as well as rehabilitation works if required. This is expected to be underway within the next 3 months.

Financial Implications

The direct connectivity between stormwater and the sewer system will allow for funding of this work from the sewer fund. Initially this will be from the currently allocated budget.

Statutory and Policy Compliance Implications

Compliance with EPA licence 13266.

FLO-DAR® AV SENSOR



Applications

- Wastewater
- Collection Systems
- Industrial Water

The FLO-DAR® AV Sensor provides an ideal solution for non-contact, maintenance-free portable or permanent sewer flow monitoring.

The FLO-DAR AV Sensor provides a revolutionary approach to open channel flow monitoring. It combines advanced Digital Doppler Radar velocity sensing technology with ultrasonic pulse echo depth sensing to remotely measure open channel flow. Use with the Hach FL900 Series Flow Loggers (wireless or standard) for portable monitoring. For permanent power application sites the FLO-DAR can be connected to the FLO-STATION. Intrinsically safe models are available.

Accurate Flow Measurement

FLO-DAR provides the user with highly accurate flow measurements under a wide range of flows and site conditions. By measuring the velocity of the fluid from above, FLO-DAR eliminates accuracy problems inherent with submerged sensors including sensor disturbances, high solids content and distribution of reflectors.

Non-Contact Sensor Eliminates Lost Data

No lost data with non-contact, above the flow sensor that is unaffected by fouling due to debris and grease.

Easy Installation and Maintenance

As the sensor is mounted above the flow, personnel have little or no contact with the flow during installation. Future sensor removal and replacement can be done without the need for confined space entry.

Independent Accuracy / Long-Term Stability Verification

FLO-DAR sensor accuracy and long-term stability (up to 3 years without need for site calibration) from low flow depths up to surcharge conditions has been independently verified many times over the years including a formal evaluation by the Alden Research Laboratory, Inc. and recent field evaluations done by municipalities and consulting engineering firms.

Perfect Solution for Difficult Flow Conditions

Operates in the most difficult conditions including flows with high solids content, high temperature, shallow and caustic flows, large man-made channels, and high velocities up to 20 ft/s.

Optional Surcharge Velocity Sensor (SVS)

During surcharge events FLO-DAR's optional SVS electromagnetic sensor will continue to provide uninterrupted and accurate flow monitoring through dry and wet weather flows without the need for routine sensor cleaning or maintenance.



Specifications*

FLO-DAR AV Sensor

Enclosure	IP68 Waterproof rating, Polystyrene
Dimensions	160.5 W x 432.2 L x 297 D mm (6.32 x 16.66 x 11.7 in.), with SVS, D = 387 mm (15.2 in.)
Weight	4.8 kg (10.5 lbs.)
Operating Temperature	-10 to 50°C (14 to 122°F)
Storage Temperature	-40 to 60°C (-40 to 140°F)
Power Requirements	Supplied by FL900 Flow Logger, Flo-Logger, or FLO-STATION

Interconnecting Cable—Disconnectable at both sensor and logger or FLO-STATION

Polyurethane, 0.400 (±0.015) in. diameter; IP68 Standard length 9M (30 ft), maximum 305 m (1000 ft)

Cables are available in two styles:

- connectors both ends
- connector from sensor with open leads to desiccant hub, desiccant hub with connector to logger. A potting/sealant kit will be included. This can be used to run the cable through conduit.

Important Note: The sensor cable assembly with desiccant hub is compatible with either the Marsh-McBirney Flo-Logger/Logger XT or the Hach FL900 Series Flow Loggers. When using this cable assembly with the Marsh-McBirney Flo-Logger, do not disconnect the desiccant cartridge that is attached to the Flo-Logger itself. It is important to keep the air tube plugged.

If using FLO-DAR cable with FLO-STATION, the cable will have bare leads to the FLO-STATION (30 to 1000 ft. lengths) and there will be no desiccant hub, as the air tube terminates inside of the FLO-STATION housing.

Warranty	1 year
Set-up/Data Retrieval	FLO-WARE for Windows software is the user on-site set-up, data management, and report generation software. It is compatible with desktop/laptop computers utilizing Windows operating system.

Certification

FLO-DAR Sensor Model Numbers: 890004801, 890004901, 890004804, 890005201, 890004807, and 890005204
 Frequency: 24.10GHz to 24.15GHz
 Category: Field Disturbance Sensor
 Output Field Strength: < 2.5 V/m (128dBuV/m) @ 3m, measured per following standards
 Certified to FCC Part 15.245: FCC ID: VIC-FLODAR24
 Certified to Industry Canada Spec. RSS210. V7: IC No.: 6149A-FLODAR24

FLO-DAR Sensor Model Numbers: 890004802, 890004902, 890004805, 890005202, 890004808, and 890005205
 Frequency: 24.16GHz to 24.19GHz
 Category: Short Range Device Output Power (ERP): < 10mW (10dBm) @ 3m, measured per the following standard
 Certified to ETSI EN 300 440-1 V1.6.1 (2010-06)

hachflow.com

Use of this device is subject to the following conditions:

1. There are no used serviceable items inside this device.
2. The user must install this device in accordance with the supplied installation instructions and must not modify the device in any manner whatsoever.
3. Any service involving the transmitter must only be performed by Hach Company.
4. The user must ensure that no one is within 20 cm of the face of the transmitter when operating.

Surcharge Depth Measurement

Auto zero function maintains zero error below 0.5 cm (0.2 in.)

Method	Piezo-resistive pressure transducer with stainless steel diaphragm
Range	3.5 m (138 in.), overpressure rating 2.5 x full scale

Velocity Measurement

Method	Radar
Range	0.23 to 6.10 m/s (0.75 to 20 ft/s)
Accuracy	±0.5%; ±0.03 m/s (±0.1 ft/s)

Depth Measurement

Method	Ultrasonic
Standard Operating Range from FLO-DAR Housing to Liquid	0 to 152.4 cm (0 to 60 in.)
Optional Extended Level Operating Range from Transducer Face to Liquid	0 to 6.1 m (0 to 20 ft.) with 43.18 cm (17 in.) dead bend, temperature compensated.
Accuracy	±1%; ±0.25 cm (±0.1 in.)

Flow Measurement

Method	Based on Continuity Equation
Accuracy	±5% of reading typical where flow is in a channel with uniform flow conditions and is not surcharged, ±1% full scale max.

Continued on next page.

Specifications* (continued)

Surcharge Conditions Depth/Velocity

DEPTH (Std with FLO-DAR Sensor)

Surcharge depth supplied by FLO-DAR sensor.

VELOCITY (Optional Surcharge Velocity Sensor)

<i>Method</i>	Electromagnetic
<i>Range</i>	±4.8 m/s (±16 ft/s)
<i>Accuracy</i>	±0.15 ft/s or 4% of reading, whichever is greater.
<i>Zero Stability, Typical</i>	> ±0.05 ft/s

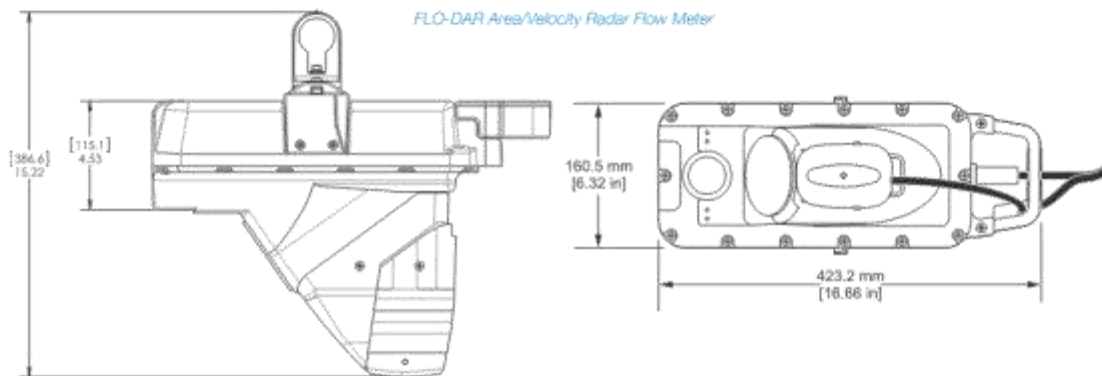
Certification Intrinsically Safe (Optional)

The optional FLO-DAR with a Surcharge Velocity Sensor (SVS) are certified to Class I, Zone 1 Standards. They conform to ANSI/UL 60079-11 and are certified to CAN/CSA E60079-11 and EN 60079-11 standards.

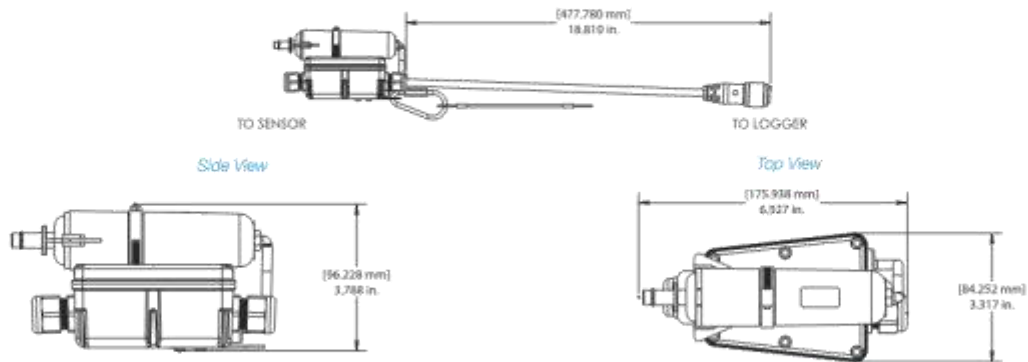
 The FLO-DAR sensor meets CE requirements.

**Subject to change without notice.*

Dimensions



The desiccant hub assembly includes a junction box to connect sensor cable to the desiccant and subsequently to the rL900 Logger. The desiccant can easily be replaced without need to purchase a separate desiccant module.



*Desiccant Hub Assemblies for use with portable rL900 Series Loggers and Marsh-McBirney Flo-Logger.
(Sensor cable for use with FLO-STATION will not contain a desiccant hub and will have bare wires on cable end.)*

hachflow.com

Ordering Information

Configure FLO-DAR Sensor to Logger (Portable)

FLO-DAR Sensor	Model 4000	-	4	X	X
FLO-DAR Sensor with specified cable length (need to add cable as separate line item)			4		
Non Intrinsicly Safe				0	
Surcharge Velocity Sensor Option (IMPORTANT NOTE: SVS cable length MUST MATCH FLO-DAR Sensor Cable length)				3	
Non Extended Range					0
Extended Range Option —Allows use in flow depths up to 18 feet. Allow for 18" deadband. Standard unit max depth is 60". SVS Option requires Remote Extended Range below.					1
Remote Extended Range Option with 6' sensor cable —Flow depths up to 18 feet. Allow for 18" deadband. Standard unit max depth is 60".					2

Configure FLO-DAR Sensor to FLO-STATION (Permanent)

FLO-DAR Sensor	Model 4000	-	9	X	X
FLO-DAR Sensor with specified cable length (need to add cable as separate line item)			9		
Non Intrinsicly Safe				0	
Surcharge Velocity Sensor Option (IMPORTANT NOTE: SVS cable length MUST MATCH FLO-DAR Sensor Cable length)				3	
Non Extended Range					0
Extended Range Option —Allows use in flow depths up to 18 feet. Allow for 18" deadband. Standard unit max depth is 60". SVS Option requires Remote Extended Range below.					1
Remote Extended Range Option with 6' sensor cable —Flow depths up to 18 feet. Allow for 18" deadband. Standard unit max depth is 60".					2

Cables

- FD9000CBL-XXX*** FL900 Series Logger to FLO-DAR sensor. Cable w/two connectors.
- FDJCTBOXCBL-XXX*** FL900 Series Logger to FLO-DAR sensor. Cable with connector to sensor, open end to desiccant hub, desiccant hub with connector to sensor. Includes finishing kit for potting/sealing desiccant hub. For use with conduit.
- 6000062XX*** SVS Sensor with connector for use with FL900 Series Logger.
- 570011800-XXX*** FLO-STATION to FLO-DAR sensor Cable with one connector and bare leads.
- Model 4000-9**
- 6000059XX*** SVS Sensor with bare leads for use with FLO-STATION.

*Contact customer service for product numbers.

Available Cable Lengths (in feet)					
30	125	225	400	700	
60	150	250	450	800	
75	175	300	500	900	
100	200	350	600	1000	

See Lit. No. 2709 (standard models) and Lit. No. 2711 (wireless models) for FL900 Series Flow Logger ordering information.
See Lit. No. 2616 for FLO-STATION ordering information.

Mounting Hardware

- 800016701** Permanent Sensor Mount-Includes sensor frame & all mounting hardware. Portable Sensor Mounts Available (Sizes 34-107") Contact Sales.

Accessories & Spares

- 245000501** Sensor Retrieval Pole - Used to place and retrieve sensor from mounting bracket. Pole extends to 7.3 m (21 ft.)
- 510012701** Sensor Retrieval Hook - Used with Sensor Retrieval Pole
- 570011401** Grounding Strap (required with Retrieval Pole and Hook when used with IS units)
- 8755500** Bulk desiccant beads (1.5 pounds)

For additional information on products mentioned in this data sheet, request the following data sheets:

- Hach FL900 Series Flow Logger -Wireless (LIT2711)
- Hach FL900 Series Flow Logger - Standard (LIT2709)
- FLO-STATION Flow Monitor (LIT2616)

HACH COMPANY World Headquarters: Loveland, Colorado USA

United States: 800-368-2723 tel 970-619-5150 fax hachflowsales@hach.com
Outside United States: 970-622-7120 tel
hachflow.com

LIT2708 Rev 5
K13 Printed in U.S.A.
©Hach Company, 2013. All rights reserved.
In the interest of improving and updating its equipment,
Hach Company reserves the right to alter specifications to equipment at any time.



Report No. 4.3 **Minutes of 13 September 2018 meeting - Water, Waste and Sewer Advisory Committee**

Directorate: Infrastructure Services
Report Author: Susan Sulcs, Administration Officer
File No: I2018/2020
Theme: Infrastructure Services
 Waste and Recycling Services

5

10 **Summary:**



The minutes of the previous Water, Waste and Sewer Advisory Committee meeting held on 13 September 2018 and resolutions (18-685 to 18-692) from Council meeting 18 October are attached.

15

RECOMMENDATION:

That the Water, Waste and Sewer Advisory Committee note the minutes of 13 September 2018 meeting which were reported to 18 October 2018 Council meeting.

Attachments:

- 20 1 Minutes 13 September 2018 Water, Waste and Sewer Advisory Committee, I2018/1719 , page 15 [↓](#) 
- 2 Resolutions from the 18 October Council Meeting - for meeting held 13 September, E2018/85728 , page 19 [↓](#) 

25

Report

The minutes of the previous **Water, Waste and Sewer Advisory Committee** meeting held on 13 September 2018 are attached and available at

5 https://byron.infocouncil.biz/RedirectToDoc.aspx?URL=Open/2018/09/WWSAC_13092018_MIN_802.PDF

10 The minutes were reported to 18 October Council meeting, resulting in Resolutions 18-685 to 18-692. The resolutions can be found at attachment 2.

Financial Implications

15 Nil

Statutory and Policy Compliance Implications

20 Nil

MINUTES OF MEETING

5



10

**WATER, WASTE AND SEWER ADVISORY
COMMITTEE MEETING**

15

Venue	Conference Room, Station Street, Mullumbimby
Date	Thursday, 13 September 2018
Time	11.30am

20

Minutes of the Water, Waste and Sewer Advisory Committee Meeting held on Thursday, 13 September 2018

File No: I2018/1719

PRESENT: Cr Richardson, Cr C Coorey, Cr M Lyon and Cr S Ndiaye

5

Staff: Phillip Holloway (Director Infrastructure Services)
Peter Rees (Managers Utilities)
James Flockton (Drainage & Flood Engineer)
Jason Stanley (System Planning Officer)
Dominika Tomanek (Minute Taker)

10

Community: Col Draper, Duncan Dey, Mark Tidswell, Ben Fawcett and David Fligelman

15

Visitor: Damion Cavanagh, BMT WBM

Cr Ndiaye (Chair) opened the meeting at 11:34 am and acknowledged that the meeting was being held on Bundjalung Country.

20

APOLOGIES:

Madeleine Green, Mary Gardner

25

DECLARATIONS OF INTEREST – PECUNIARY AND NON-PECUNIARY

There were no declarations of interest.

30

ADOPTION OF MINUTES FROM PREVIOUS MEETINGS

Committee Recommendation:

That the minutes of the Water, Waste and Sewer Advisory Committee Meeting held on 31 May 2018 be confirmed.

(Richardson/Dey)

The recommendation was put to the vote and declared carried.

Note: The minutes of the meeting held on 31 were noted, and the Committee Recommendations adopted by Council, at the Ordinary Meeting held on 21 June 2018

35

BUSINESS ARISING FROM PREVIOUS MINUTES

There was no business arising from previous minutes.

40

45

NOTE:

That the Committee change the order of business to deal with Reports 4.1, 4.6, 4.4, 4.2, 4.3 and 4.5, next on the Agenda.

Report No. 4.1 Water Sensitive Urban Design Strategy
File No: I2018/956

Committee Recommendation:

1. That the committee note the report and commend Council for undertaking this initiative.
2. That staff circulate questions from the presentation and Committee provide feedback within 2 weeks.
3. That the committee will have a workshop to discuss questions in the end of October 2018 .
(Ndiaye/Lyon)

The recommendation was put to the vote and declared carried.

Report No. 4.2 Telecommunications Installations on Reservoirs
File No: I2018/1159

Committee Recommendation:

That Council welcome the study to our shire.

(Dey/Fligelman)

The recommendation was put to the vote and declared carried.

5

Report No. 4.3 Rous Regional Water Supply Agreement Liaison Committee Meeting
28 August 2018 Agenda and Business papers
File No: I2018/1298

Committee Recommendation:

That Council circulate the business papers for the Rous Regional Water Supply Agreement Liaison Committee to members of the WWSC when received.

(Dey/Lyon)

The recommendation was put to the vote and declared carried.

Report No. 4.4 Mullumbimby Inflow and Infiltration update
File No: I2018/1660

Committee Recommendation:

That Council move ahead with the Inflow and Infiltration project as originally conceived for a small cluster of properties in Mullumbimby to quantify the benefit of a pressure sewer system and ensure that the results of the trial are not confounded by other activities.

(Dey/Coorey)

The recommendation was put to the vote and declared carried.

Report No. 4.5 **Nutrient Loading in the Belongil**
File No: I2018/1704

Committee Recommendation:

1. That Council note that consent conditions in clause 11 of the approval under Council Resolution 02-1329 have been exceeded for short periods during the past 15 months.
2. That Council determine a new methodology to calculate nutrient discharge into the Belongil to satisfy both Council Resolution 02-1329 and the Recycled Water Management Strategy 2017-27
3. That Council consider measures for overcoming these exceedances.

(Dey/Coorey)

The recommendation was put to the vote and declared carried.

Report No. 4.6 **Items for the Committee Requested by Mark Tidswell**
File No: I2018/1715

Committee Recommendation:

That Council note the Committee discussed the item on 13 September 2018 in relation to flooding at Melaleuca Drive and a Notice of Motion is on the Agenda for the next scheduled Council Meeting on 20 September 2018.

(Dey/Ndiaye)

The recommendation was put to the vote and declared carried.

- 5 Cr Richardson left the meeting at 12:35 PM.
-

There being no further business the meeting concluded at 1:32 pm.

10

BYRON SHIRE COUNCIL

ORDINARY MEETING MINUTES

18 October 2018

STAFF REPORTS – INFRASTRUCTURE SERVICES

Report No. 14.4 **Report of the Water, Waste and Sewer Advisory Committee Meeting held on 13 September 2018**
File No: I2018/1779

18-685 Resolved that Council note the minutes of the Water, Waste and Sewer Advisory Committee Meeting held on 13 September 2018. (Coorey/Ndiaye)

18-686 Resolved that Council adopt the following Committee Recommendation(s):

Report No. 4.1 Water Sensitive Urban Design Strategy
File No: I2018/956

Committee Recommendation 4.1.1

1. That the committee note the report and commend Council for undertaking this initiative.
2. Staff circulate questions from the presentation and Committee provide feedback within 2 weeks.
3. That committee will have workshop to discuss questions in the end of October 2018. (Coorey/Ndiaye)

18-687 Resolved that Council adopt the following Committee Recommendation(s):

Report No. 4.2 Telecommunications Installations on Reservoirs
File No: I2018/1159

Committee Recommendation 4.2.1

That Council welcome the study to our shire. (Coorey/Ndiaye)

18-688 Resolved that Council adopt the following Committee Recommendation(s):

Report No. 4.3 Rous Regional Water Supply Agreement Liaison Committee Meeting 28 August 2018 Agenda and Business papers
File No: I2018/1298

Committee Recommendation 4.3.1

That Council circulate the business papers for the Rous Regional Water Supply Agreement Liaison Committee to members of the WWSC when received. (Coorey/Ndiaye)

18-689 Resolved that Council adopt the following Committee Recommendation(s):

Report No. 4.4 Mullumbimby Inflow and Infiltration update
File No: I2018/1660

BYRON SHIRE COUNCIL

ORDINARY MEETING MINUTES

18 October 2018

Committee Recommendation 4.4.1

That Council move ahead with the Inflow and Infiltration project as originally conceived for a small cluster of properties in Mullumbimby to quantify the benefit of a pressure sewer system and ensure that the results of the trial are not confounded by other activities.

(Coorey/Ndiaye)

18-690 Resolved that Council adopt the following Committee Recommendation(s):

Report No. 4.5 Nutrient Loading in the Belongil
File No: I2018/1704

Committee Recommendation 4.5.1

1. That Council note that consent conditions in clause 11 of the approval under Council res 02-1329 have been exceeded for short periods during the past 15 months
2. That Council determine a new methodology to calculate nutrient discharge into the Belongil to satisfy both Council Resolution 02-1329 and the Recycled Water Management Strategy 2017-27
3. That Council consider measures for overcoming these exceedances.

(Coorey/Ndiaye)

18-691 Resolved that Council adopt the following Committee Recommendation(s):

Report No. 4.6 Items for the Committee Requested by Mark Tidswell
File No: I2018/1715

Committee Recommendation 4.6.1

That Council note the Committee discussed the item on 13 September 2018 in relation to flooding at Melaleuca Drive and a Notice of Motion is on the Agenda for the next scheduled Council Meeting on 20 September 2018.

(Coorey/Ndiaye)

18-692 Resolved that Council hold a community information session to discuss both of the following projects:

- Report No. 4.1 - Water Sensitive Urban Design Strategy and
- Report No. 4.4 - Mullumbimby Inflow and Infiltration project at the earliest date possible.

(Coorey/Ndiaye)

The motion was put to the vote and declared carried.