

Network Operator and Retail Supplier Licence Application

Bingara Gorge PWTP

PUBLIC

Application Form



Independent Pricing and Regulatory Tribunal

Network Operator and Retail Supplier Licence Application Form

Water Industry Competition Act 2006 (NSW)

Application Form
June 2013

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1 Instructions

The *Water Industry Competition Act 2006* (NSW) (the WIC Act or Act) came into operation on 8 August 2008 and, among other things, provides for the licensing of private sector water utilities.

Under the WIC Act, the Minister for Finance and Services (the Minister) is responsible for granting the following licences:

- ▼ **Network Operator's Licence** for constructing, maintaining and operating water industry infrastructure.
- ▼ **Retail Supplier's Licence** to supply water or provide sewerage services, by means of water industry infrastructure.

The Independent Pricing and Regulatory Tribunal of NSW (IPART) is responsible for receiving and assessing licence applications and for the ongoing administration and enforcement of licences.

1.1 Who should complete this form?

This form is for corporations that wish to become licensees under the WIC Act. Under section 8(1) of the WIC Act, an application for a licence can only be made by or on behalf of a corporation.

A copy of the WIC Act is available on the NSW Government's legislation website at www.legislation.nsw.gov.au.

1.2 Information on filling out and submitting this form

1.2.1 General instructions to applicants

The questions asked in the application form are designed to allow you to establish your capacity and expertise to carry out the proposed activities in compliance with your licence (if granted), the WIC Act and the *Water Industry Competition (General) Regulation 2008* (NSW) (the General Regulation).

Your response should include sufficient information to demonstrate an extensive understanding of the activities you are proposing to undertake, the issues or impacts associated with these activities, and the processes required to address or manage these issues or impacts. The information provided in your application should reflect the type, size, complexity and level of risk associated with the activities to be licensed.¹

¹ For example, a recycled water scheme involving a single source, basic treatment, and single pipeline to one commercial customer will be less complex and therefore require less supporting information than a multi-source scheme, with complex treatment and a pipe network ultimately supplying a mix of commercial and residential customers.

Following each question in the application form is an explanation (in italics) as to why we have requested the information and how it will be assessed in relation to the requirements of the WIC Act and the General Regulation. These explanations are provided as a general guide to help applicants understand the main ways in which the information sought is likely to be relevant for the assessment of their application. However, we may use the information provided for any other relevant purpose when we assess your application.

We will also have regard to the following licensing principles, in accordance with section 7 of the WIC Act:

- ▼ the protection of public health, the environment, public safety and consumers generally
- ▼ the encouragement of competition in the supply of water and the provision of sewerage services
- ▼ the ensuring of sustainability of water resources
- ▼ the promotion of production and use of recycled water
- ▼ the promotion of policies set out in any prescribed water policy document
- ▼ the potential for adverse financial implications for small retail customers generally arising from the activities proposed to be covered by the licence, and
- ▼ the promotion of the equitable sharing among participants in the drinking water market of the costs of water industry infrastructure that significantly contributes to water security.

Where more extensive information is required in response to a question (ie, example plans), the information is requested to be included as an appendix to the question. Unless indicated otherwise the appendices must be attached to the application to ensure there is sufficient information for IPART to make an assessment in accordance with the relevant legislation. An application that does not attach the necessary appendices may be considered to be an incomplete application resulting in a delay in processing. All appendices should be labelled as per the instructions.

1.2.2 Confidential information

IPART uses open public processes to consider applications and must invite submissions on applications from the public. Unless they are confidential, we treat your applications and appendices as public documents. We publish these documents on our website and distribute them to interested parties as appropriate.

Subject to our disclosure obligations (referred to below), we will treat as confidential the financial information that we request for the purposes of your application. We may share that information with our consultants, but will do so on a confidential basis.

You should let us know if you consider other aspects of your application to be confidential so that we can discuss your confidentiality concerns with you.

You should provide separate confidential and public copies of your application. In particular, you should provide:

- ▼ **a confidential application**, which is clearly marked “confidential” and clearly identifies the confidential information that should not be publicly released, and
- ▼ **a public application**, which does not contain the confidential information, for publication and distribution by IPART.

If we agree with all your confidentiality concerns, we will only publish the public application on our website. However we will furnish a copy of the confidential application to the Ministers specified by the WIC Act and General Regulation, as we are required to do under section 9(1)(b) of the WIC Act.

Please note that third parties may apply under the *Government Information (Public Access) Act 2009* for access to applications, including applications that contain confidential information. If we receive such an application, we will determine disclosure in accordance with that Act.

Where an application includes personal information, IPART will deal with that information in accordance with the information protection principles set out in the *Privacy and Personal Information Protection Act 1998*.

1.2.3 Is there an application fee?

The application fee for a network operator’s licence is \$2,500. The application fee for a retail supplier’s licence is \$2,500. If you are applying for both a network operator’s licence and retail supplier’s licence, the fee is \$5,000.

The appropriate licence application fee should be paid either by cheque made payable to the Independent Pricing and Regulatory Tribunal of NSW or by electronic transfer to:

Westpac Banking Corporation
BSB: 032-001
Account No: 205717
Reference: WICA app

If payment is made electronically, please provide a copy of the electronic transfer receipt with your licence application.

Please note that once an application has been submitted, the application fee(s) will not be refunded if the application is rejected or withdrawn.

1.2.4 How do you submit the application?

You must submit one hard copy and one electronic copy of each of the versions (public and confidential) of the completed application form and appendices. You may wish to password protect your electronic confidential version. If so, we will contact you to request the password following submission of your application.

The electronic copy should consist of separate files for the application and the appendices for each of the sections. Where there is more than one appendix in a section, they should be combined into a single electronic file. For example, section 3 will have appendices 3.2.1 and 3.6.1 – these appendices should be combined into one electronic file. A summary of the appendices is included in attachment A to this form.

When you have completed your application, you should mark it to the attention of the Water Licensing team, and submit it to IPART in person, via email or via post:

In person	Via email	Via post
Attention: Water Licensing Independent Pricing and Regulatory Tribunal Level 15 2-24 Rawson Place Sydney NSW 2000	Attention: Water Licensing Independent Pricing and Regulatory Tribunal compliance@ipart.nsw.gov.au	Attention: Water Licensing Independent Pricing and Regulatory Tribunal PO Box K35 Haymarket Post Shop NSW 1230

1.3 If you require further information

If you have further questions about your application, you can contact the Water Licensing team in IPART by:

- ▼ emailing: compliance@ipart.nsw.gov.au, or
- ▼ telephoning: (02) 9290-8400 (general number).

We encourage you to discuss your licence application form and obtain assistance from the Water Licensing team *prior* to formally submitting your application. Once we receive your application, we will assign you a contact officer, who will manage your application and remain in contact with you throughout the process.

1.4 Where to from here?

1.4.1 What will happen next?

IPART will check that your application form is complete and that you have supplied all the necessary information and supporting documentation.

If your application is complete, we will undertake consultation and a detailed assessment before preparing a recommendation to the Minister to either grant or refuse the licence(s).

If the application is incomplete, it will not be processed and you will be asked in writing to supply the outstanding information. This is likely to delay the detailed assessment of your application. We may also request additional information in response to submission or our detailed assessment of your application.

If you wish you can withdraw your application at any stage during the process.

IPART uses our best endeavors to process applications quickly. Complete applications are generally processed between 6 to 8 months depending on the complexity of the project.

1.4.2 Audits and ongoing compliance obligations

Licensing obligations are set out in the *Water Industry Competition Act 2006* (NSW) and *Water Industry Competition (General) Regulation 2008* (NSW), which also sets out standard licence conditions.

IPART has also prepared a series of fact sheets explaining the audit and compliance obligations following the grant of a WIC Act licence.

It is particularly important to note that the granting of a network licence does not allow the licensee to bring any *new* water or sewerage infrastructure into immediate commercial operation. **A licensee must also obtain approval from the Minister before commencing commercial operation of new water or sewerage infrastructure.**

For further information, please refer to the following fact sheets or contact the Water Licensing team at IPART on the details provided above.

Fact sheets:

- ▼ *Summary of Audit Framework*
- ▼ *Commercial operation of new infrastructure*
- ▼ *Register of licences and other publicly available information*
- ▼ *Potable water services - public health requirements*
- ▼ *Water recycling - public health requirement.*

These documents can be downloaded from the IPART website, at <http://www.ipart.nsw.gov.au/water/private-sector-licensing/private-sector-licensing.asp>.

2 Contact Information

To be completed by all applicants

2.1 Contact Details	
<p>You need to nominate a primary contact person for all communication and correspondence between the corporation applying for a licence and IPART. This person must be a senior officer of the applicant corporation and not an external consultant. Ideally, this person's role within the corporation will be related to the project/activity to be licensed, and they must have the authority to speak on behalf of the applicant.</p>	
PRIMARY CONTACT	
Full name	
Hugh Frederick Robinson	
Position title	Email address
Project Manager	
Business telephone number	Mobile telephone number
Postal address for correspondence	
STATE	POST CODE
SECONDARY CONTACT	
<input checked="" type="checkbox"/> Please check if the secondary contact should be copied into all correspondence.	
Full name	
Grant McNay	
Position title	Email address
General Manager Services	
Business telephone number	Mobile telephone number
Postal address for correspondence	
STATE	POST CODE

3 General Information

To be completed by all applicants

3.1 Applicant Details	
3.1.1	Please provide the following information for the corporation applying for the licence. Please note an application may only be made by or on behalf of a corporation (s8(1)).
<p><i>Your response to this question is used in ASIC, ITSA and CATSI searches* conducted as part of our assessment of your application. The information will also be used to specify the corporation that holds the licence (Act s.6(1)(a)), if a licence is granted.</i></p> <p><i>* These are searches of databases kept by the Australian Securities and Investments Commission (ASIC), Insolvency and Trustee Service Australia (ITSA), and Office of the Registrar of Indigenous Corporations (for corporations registered under the Corporations (Aboriginal and Torres Strait Islander) Act 2006 (CATSI))</i></p>	
Corporation name	
Veolia Water Solutions and Technologies (Australia) Pty Ltd	
ABN/ARBN	ACN
35 055 254 003	055 254 003
Corporation's registered office	
ADDRESS	
STATE	POST CODE
Corporation's principal place of business	
ADDRESS	
STATE	POST CODE
3.1.2 Please provide the following information for the Chief Executive Officer and ALL Directors of the applicant corporation	
<p><i>Your response to this question is used in ASIC, ITSA and CATSI searches to determine that the named individual(s) are not disqualified individual(s) and that the applicant corporation is not a disqualified corporation (Act, s10(3)). The information will also be used to assess, among other things, the applicant corporation's organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>	
PERSON ONE	
Full name	Emmanuel Gayan
Position title	MD Veolia Water Technologies ANZ, Executive VP, Veolia Water Technologies Africa, Middle-East, Asia-Pacific
Date of birth	

Residential address	
ADDRESS	
STATE	POST CODE
PERSON TWO	
Full name	Michelle Francis Moroney
Position title	GM Projects
Date of birth	
Residential address	
ADDRESS	
STATE	POST CODE
PERSON THREE	
Full name	Klaus Andersen
Position title	CEO Americas Veolia Water Technologies
Date of birth	
Residential address	
ADDRESS	
STATE	POST CODE
PERSON FOUR	
Full name	Dominique Serge Bouillot
Position title	CEO SADE France
Date of birth	
Residential address	
ADDRESS	
STATE	POST CODE

3.2 Activities for which a licence is sought

Please check ALL the applicable boxes for which you are seeking a licence

Your response to this question will be used to specify the activities that the applicant corporation will be authorised to undertake (Act s.6(1) and s.11(1)), if a licence is granted. The response to this question is a requirement for any network operator's licence application (Reg cl.6(1)(a) and 6(2)(a)) and for any retail supplier's licence application (Reg cl.10(1)(a) and 10(2)(a)).

3.2.1 NETWORK OPERATOR (to construct, maintain and operate water industry infrastructure)

☐ Water infrastructure - drinking water

☒ Water infrastructure – non potable water (including recycled water)

☒ Sewerage infrastructure

3.2.2 RETAIL SUPPLIERS (to supply water or provide sewerage services)

☐ Supply of drinking water

☒ Supply of non-potable water

☒ Provision of sewerage services

3.2.3 Have you commenced any of the activities for which you are seeking a licence?

For example, you may have commenced construction, commercial operation and/or supply of services to customers.

☒ Yes please go to 3.2.4

☐ No please go to 3.2.5

3.2.4 Please briefly describe the activities that you have commenced including the date(s) on which they commenced.

Your response to the following question will be used to determine whether transitional arrangements apply to the project.

On the 18th December 2014, Veolia were awarded by the Bingara Gorge estate developer, Lend Lease Communities (Wilton) Pty Ltd, the contract to design, supply, install and commission a new Wastewater Treatment Plant at Bingara Gorge, which will service the Bingara Gorge development and Wilton Village with a nominal capacity of 1.5ML/day at ultimate development.

So far, Veolia have progressed with the detailed design, purchasing of equipment and preparation of detailed management plans for EPA and IPART. Separately, the same information is being utilised by Lend Lease for the Development Application with the Wollondilly Shire Council.

This application is an amendment to our existing WICA licences, Nos. 10_012 and 10_013R, which cover the existing infrastructure at Bingara Gorge.

For that reason, infrastructure used for the storage, conveyance and reticulation of sewage and of non-potable water is already built and in service. This includes:

1. Gravity sewerage infrastructure including:
 - o Sewage conveyance from individual house connections within the Bingara existing development to the gravity sewage pumping station (SPS);
 - o The sewage pumping station (SPS) and sewerage conveyance infrastructure associated with

transfer from the SPS to the existing Bingara TRWP (with the discharge point of this sewer unchanged in the Bingara PRWP)

- o Odour control facilities as required within the gravity sewer network.

2. Pressure sewerage infrastructure for the Bingara development including:

- o Infrastructure for sewage conveyance from individual house grinder pumps within the Bingara development to centralised pressure sewer units (PSU) shared between properties (generally one PSU per 4 properties.)

- o Pressure sewerage infrastructure for sewage conveyance from PSU to the Bingara Wastewater Recycling Plant (WRP), including the Bingara TRWP and the Bingara PRWP

3. Temporary Wastewater Treatment Plant

4. Non-potable (lilac) infrastructure:

- o The non-potable water piping infrastructure (Lilac System) including supply and installation of customer recycled water meters, although currently distributing potable water (and not recycled water).



3.2.5	Please outline the approximate date you anticipate commencing the activities for which you are seeking a licence, if they have not yet commenced. For example, construction of the network infrastructure July 2014, construction of the water treatment plant December 2014, operation of the water treatment plant June 2015, supply to small retail customers August 2015.
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Your response to the following question will be used as background information for the project.

The plant will be constructed in the period from October 2015 through to February 2016. Current timing for events is as follows:

Construction commences: 02/10/2015

Construction ends: 18/02/2016

Pre-commissioning commences: 12/02/2016

Pre-commissioning ends: 05/04/2016

Commissioning commences: 22/02/2016

Commissioning ends: 18/03/2016

Performance Testing commences: 06/04/2016

Performance Testing ends: 19/04/2016

Validation period: From 20/04/2016 to 03/05/2016

At a later stage, Construction of Train 3 of the plant will be undertaken if required based on housing development.

3.3 Insurance Details	
3.3.1	<p>What types of insurance do you have or intend to obtain particularly in relation to the activities for which you are seeking a licence? Provide details of the level (i.e. amount) of insurance you are covered or intend to be covered by for each type. Include a summary of itemised inclusions and exclusions for each type of insurance you hold. Attach copies of all relevant insurance certificates in Appendix 3.3.1.</p> <p>Types of insurance may include but are not limited to professional indemnity insurance, public liability insurance, workers' compensation and product liability insurance.</p> <p><i>Your response to this question will be used to ascertain whether the applicant corporation has made appropriate arrangements with respect to insurance (Act s10(4)(c)).</i></p> <p>VEOLIA (Design, Construction and Operation): Construction All Risks: Construction All Risk - Damage to contract works AUD75,000,000 any one occurrence and for each project; Existing Property - 30% of the contract value to a maximum AUD22,500,000 any one occurrence and for each project Public & Products Liability: EUR50,000,000 any one occurrence and in the aggregate per Period of Insurance for Products Liability Professional Indemnity: EUR50,000,000 per loss and in annual aggregate Environmental Risks: EUR50,000,000 per loss and in the annual aggregate Motor Vehicle: Loss or Damage to VWS&T – Market value, but limited to AUD10,000,000 any one event; Legal Liability – AUD30,000,000 Workers' Compensation: The full amount of the Employer's Liability under the Workers Compensation Act 1987 (NSW)</p> <p>LEND LEASE (Civil Construction): Public Liability: AUD20,000,000 in respect to any one Occurrence but in the aggregate in respect to Public Liability</p> <p>CARDNO (Civil Design & Superintendent): Professional Indemnity: \$1,000,000 for any one claim and \$2,000,000 in the aggregate</p>
3.3.2	<p>Explain why the level of cover provided or proposed by your insurer is sufficient for the size and nature of your proposed activities</p> <p>For existing (brownfield) schemes, you must provide us with a report from an independent insurance broker which holds an Australian financial services licence under Part 7.6 of the <i>Corporations Act 2001 (Cth)</i> for the provision of insurance broking services ("Insurance Expert"), that:</p> <ul style="list-style-type: none"> (a) identifies the key risks of undertaking the activities to be authorised under the licence (if granted) (b) sets out the types and levels of insurance obtained by you in relation to the activities being undertaken (c) certifies whether, in the Insurance Expert's opinion, the type and level of insurance obtained by you is appropriate for the size and nature of the activities to be

<p>authorised under the licence</p> <p>(d) provides reasons as to why the types and levels of insurance are appropriate for the size and nature of the activities being undertaken, and</p> <p>(e) if any risks arising from undertaking the activities remain uninsured, provides reasons as to why.</p>
<p><i>Your response to this question will be used to ascertain whether the applicant corporation has made appropriate arrangements with respect to insurance (Act s.10(4)(c)).</i></p>
<p>Veolia have engaged Marsh as the "Insurance Expert" to undertake a Risk and Insurance Review.</p> <p>The report will be provided to IPART once available.</p>

3.4 Third parties undertaking activities

3.4.1 If you intend on using third parties to undertake any **significant** activities for which you are seeking a licence (eg, construction of the reticulation network, management of the billing system) please provide their details below. If there are multiple third parties please provide the details for each party as well as an explanation of the activities it will be undertaking.

Third parties undertaking minor sub-contracting works on behalf of the applicant corporation such as electrical or plumbing contractors do not need to be named in the application. If you are unsure of whether the works are significant or otherwise please include the details or contact IPART.

Your response to this question will be used to determine whether any other persons should be specified on the licence (Act s.6(1)(a)), if a licence is granted. Where applicable, information from those third parties named may also be used to assess the applicant corporation's technical, organisational and financial capacity to undertake the activities for which it is seeking a licence.

Corporation name

Lend Lease Communities (Wilton) Pty Ltd

ABN/ARBN

31 110 022 976

ACN

110 022 976

Corporation's registered office

ADDRESS

STATE

POST CODE

3.4.2 Please provide a detailed description of the activities that the third party, named above, will undertake on the applicant corporation's behalf.

Lend Lease Communities (Wilton) Pty Ltd (the proposed Authorised Person on the Licences under application) is responsible for the design and construction of the following:

1. Gravity sewerage infrastructure including:
 - o Sewage conveyance from individual house connections within the Bingara existing development to the gravity sewage pumping station (SPS);
 - o The sewage pumping station (SPS) and sewerage conveyance infrastructure associated with transfer from the SPS to the existing Bingara TRWP (with the discharge point of this sewer unchanged in the Bingara PRWP)
 - o Odour control facilities as required within the gravity sewer network.
2. Pressure sewerage infrastructure for the Bingara development including:
 - o Infrastructure for sewage conveyance from individual house grinder pumps within the Bingara development to centralised pressure sewer units (PSU) shared between properties (generally one PSU per 4 properties.)
 - o Pressure sewerage infrastructure for sewage conveyance from PSU to the Bingara Wastewater Recycling Plant (WRP), including the Bingara TRWP and the Bingara PRWP
3. Wilton development sewage conveyance infrastructure from the single point of connection from

the Sydney Water Corporation (SWC) pressure sewer.

4. Civil works and services, including:

- o The wastewater treatment plant (WWTP) inlet storage tank and inlet feed pumps
- o Wastewater treatment plant building
- o Underground pipework
- o Wastewater treatment plant services including potable water and electricity, to the termination point

5. Irrigation storage:

- o The irrigation water lagoon including earthworks, aeration equipment, pumps, ancillaries and fencing.

6. Non-potable (lilac) infrastructure:

- o The non-potable water piping infrastructure (Lilac System) including supply and installation of customer recycled water meters.

3.4.3

Please provide details of the contractual arrangements the applicant corporation has in place with the third party, named above, to ensure the third party undertakes the activities in accordance with the licence (if granted).

Lend Lease Communities (Wilton) Pty Ltd is the Developer and has and will maintain ownership of the overall infrastructure.

Veolia has entered into two contracts with Lend Lease Communities (Wilton):

- o One for the Design and Construction of the Bingara PRWP, which will treat sewage and produce recycled water;
- o The other for the Operation and Maintenance of the Bingara Gorge Scheme.

3.5 Other regulatory approvals

- 3.5.1 Please list any other regulatory approvals that have been obtained (or are being sought) for any of the activities for which the applicant corporation is seeking a licence. Include any regulatory approvals also related to the activities or the project. Such approvals may include development consents for a housing development under the *Environmental Planning and Assessment Act 1979*, section 68 approval under the *Local Government Act 1993*, an Environment Protection Licence under the *Protection of the Environment Operations Act 1997*. **Provide a copy of any other regulatory approvals and/or licences in Appendix 3.5.1.**

Your response to this question will be used to determine whether IPART needs to co-ordinate this approvals process with other regulatory authorities. Information required in other approval processes may also be requested and used by us in determining this licence application.

Veolia currently hold a Network Operator's Licence (No. 10_012) and a Retail Supplier Licence (No. 10_013R) issued by IPART that are related with this project.

Veolia have an existing EPA licence #20335, which includes the Wilton Village rising main.

Lend Lease Communities (Wilton) Pty Ltd have an agreement with Sydney Water Corporation (SWC) to provide sewage services to up to 277 lots within Wilton Village via a Pressure Sewer System. All activities related to providing these services, other than the construction and maintenance of the rising main, are regulated under SWC WICA licence.

Separately, Lend Lease Communities (Wilton) have a Development Approval that covers the proposed activities.

3.6 Monopoly supply

- 3.6.1 In your opinion, will the supply of water and/ or sewage services to customers be a monopoly service? If yes, please specify whether the monopoly service is in relation to:
- ▼ a specified water supply or sewerage service
 - ▼ a specified area, and
 - ▼ a specified class of customers.

Your response to this question will be used to determine whether the Minister should consider declaring the licensee a monopoly supplier in accordance with section 51 of the WIC Act.

The Wastewater Treatment Plant, which is an upgrade from a 300kL to a total ADWF of up to 1.5ML plant (nominal capacity), will service existing and new customers of the Bingara Gorge development and of Wilton Village.

Three rising mains will convey raw effluent from the sewerage network to the plant.

Recycled water produced at the plant will be distributed via a reticulation network and will be used for two purposes; one is to provide recycled water to the residents of the Bingara Gorge development as the primary customer, the secondary customer will be the adjacent Golf Course.

Sewerage services and supply of non-potable water will be a monopoly, as there are no other entities servicing this area.

3.7 Licensing principles

- 3.7.1 How does your proposed activity address the following principles (if applicable):
- ▼ The protection of public health, the environment, public safety and consumers generally
 - ▼ The encouragement of competition in the supply of water and the provision of sewerage services
 - ▼ The ensuring of sustainability of water resources
 - ▼ The promotion of production and use of recycled water
 - ▼ The promotion of policies set out in any prescribed water policy document
 - ▼ The potential for adverse financial implications for small retail customers generally arising from the activities proposed to be covered by the licence, and
 - ▼ The promotion of the equitable sharing among participants in the drinking water market of the costs of water industry infrastructure that significantly contributes to water security?

Your response to this question will be used in consideration of the licensing principles, in accordance with section 7 of the WIC Act

Veolia will undertake risk assessments for all stages of the project, including a HAZOP, HACCP, Safety in Design and environmental risk assessment as a means of ensuring protection of the public health, the environment, public safety and consumers. At this stage, some of these risk assessments have been undertaken and will be continuously reviewed and updated to ensure risks and mitigation measures are current.

The Bingara Gorge Scheme is not on the Sydney Water grid for provision of wastewater services, therefore the customers' choice of sewerage service provider and recycled water provider will always be limited to the incumbent Network Services Operator and Retail Supply Provider for the development.

The decision on whether Veolia will remain the incumbent Network Services Operator and Retail Supply Provider is managed by Lend Lease Communities as the owner of the scheme. The operating contract signed between Veolia and Lend Lease Communities allows the opportunity to review alternative offers from other service providers periodically ensuring the service provided by Veolia remains efficient and competitively priced.

The tariff charged to our customers at Bingara Gorge is the same tariff as charged by Sydney Water for similar services. At the current number of connections this does not cover the true cost of provision of these services therefore the pricing arrangement for the customers should not be an issue for the scheme.

The Bingara Wastewater and Recycled Water Scheme includes sewage collection and treatment to provide recycled water to a nearby golf course, irrigation of public spaces and for third-pipe usage in a significant portion of houses in the area (via a lilac network). Currently, the Scheme is partially developed, with the Bingara TRWP intended to provide up to 300 kL/day sewage treatment capacity for irrigation recycled water.

Because the existing temporary plant is operating close to capacity, the 'do nothing' option is not an

alternative if the Bingara Gorge estate is to continue to be developed.

The scheme is undergoing expansion to:

- (a) Accommodate additional residential and commercial tenements with connection to the network.
- (b) Treat additional wastewater on a daily basis and provide greater capacity to manage peak flows.
- (c) Upgrade the treatment standard provided for wastewater to provide a greater level of pathogen reduction and increase recycled water usage, with provision of recycled water to the lilac network.
- (d) Provide stability and reduction in the total quantity of solids generated per kL of sewage, minimising the environmental impacts of waste disposal.

The Bingara PRWP, to be constructed in stages, and operated under the new Licences, is required to ensure adequate sewage treatment capacity for the foreseeable future. Modifications from the existing Licences to the new Licences facilitate the capacity to collect and treat a larger volume of wastewater to a higher standard to accommodate an increase in the number of customers serviced, and enable usage of recycled water in the lilac network to offset potable water usage through the scheme.

Additional benefits offered by the Bingara Scheme upgrades include improving the quality of water provided to the golf course irrigation lagoon, minimising restrictions on irrigation water usage, increasing the volume that can be used on the golf course, and therefore reducing the requirements for environmental discharge.

Sewerage service and recycled water supply charges will be in line with IPART/SWC pricing for NSW. There will be no additional usage charge to customers for this development. This represents no change from the existing licences.

This scheme will not produce drinking water.

4 Network Operator

You need to complete the following section of this form if the applicant corporation is seeking a network operator's licence. Please note the sections are divided into the types of infrastructure as follows:

- ▼ 4.1 Water infrastructure - drinking water
- ▼ 4.2 Water infrastructure - non potable water (including recycled water and stormwater reuse)
- ▼ 4.3 Sewerage infrastructure.

Please complete only those sections that relate to your response in question 3.2.1 above.

4.1 Water infrastructure – drinking water

Only provide a response to the questions in the following section if the applicant corporation is seeking a licence for the construction, maintenance and operation of water infrastructure for the supply of drinking water.

4.1.1	Describe the proposed drinking water infrastructure from the source of the drinking water through to the end use (i.e. catchment to tap). Please include in your description all of the infrastructure for which the applicant corporation is seeking a licence. This will include any infrastructure that is to be used for the production, treatment, filtration, storage, conveyance or reticulation of the drinking water. Please list all sources and end uses in the description. Identify the infrastructure for which the applicant corporation is seeking a licence. Provide a detailed process flow diagram of the proposed infrastructure from source to end use in Appendix 4.1.1.
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You must attach a process flow diagram in response to this question. The process flow diagram should only include the drinking water infrastructure where the scheme includes more than one type of infrastructure and must cover the process from source to end use. You may also include a piping and instrumentation diagram for additional information.

The response to this question will be used to draft a proposed licence. The licence will specify the type of water industry infrastructure, if a licence is granted (Act s.6(1)(a)). The response will also be used to ensure you have applied for the correct licence(s) and as a context for our assessment of the applicant corporation's technical, organisational and financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Not Applicable

4.1.2	Describe whether the infrastructure is existing infrastructure or is to be constructed. If the infrastructure is existing, please describe its current condition and operability. If the infrastructure is a mixture of existing and to be constructed identify the infrastructure as existing or to be constructed on the process flow diagram in Appendix 4.1.1.
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The response to this question will be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).

Not Applicable

4.1.3	Describe the <u>location</u> of the proposed infrastructure. For example include: <ul style="list-style-type: none"> ▼ the identification of specific lot descriptors (e.g. lot and DP numbers) for the production, treatment, filtration and/or storage infrastructure. ▼ the location of infrastructure for the conveyance and/or reticulation of drinking water by street name, local government area or other description as appropriate to the size of the scheme. Provide a map showing the location of the proposed infrastructure from source to end use in Appendix 4.1.3.
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The map may include all water industry infrastructure (ie, drinking water, non-potable water and/or sewerage) where the scheme includes more than one type of infrastructure.

The response to this question is a requirement for any network operator's licence (Reg

<p><i>cl.6(1)(a)). The response to this question will be used to specify the authorised area of operations (Act s.11(1)), if a licence is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).</i></p>	
<p>Not Applicable</p>	
<p>4.1.4 Describe any interconnections between the proposed drinking water infrastructure and other infrastructure not part of this scheme (eg, interconnections with other licensed network operators or public utilities). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. Identify all interconnections with other infrastructure on the process flow diagram in Appendix 4.1.1 and the map in Appendix 4.1.3.</p>	
<p><i>The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the inter-connected systems and responsibilities for risks.</i></p>	
<p>Not Applicable</p>	
<p>4.1.5 Where applicable, describe the connection point to customers or end users (e.g. the customer connection point may be a water meter). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. Identify all customer and/or end user connections on the process flow diagram in Appendix 4.1.1 and the map in Appendix 4.1.3.</p>	
<p><i>The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme.</i></p>	
<p>Not Applicable</p>	
<p>4.1.6 What volume of water is available from the proposed source? Where applicable, please provide the capacity of the source and the (allowable) average daily extraction rate from the source. If there is more than one source, please provide the requested information for each of the sources. Where relevant, provide a copy of any agreements and/or licences to access the source water in Appendix 4.1.6.</p>	
<p><i>The response will also be used as a context for the assessment of the technical, organisational and financial capacity of the applicant corporation (Act s.10(4)(a)).</i></p>	
<p>Not Applicable</p>	
<p>4.1.7 What volume of water will be treated by the scheme? Please provide the average and peak daily flow rates <u>treated by</u> the scheme.</p>	
<p><i>This information will be used to determine the fee category for the scheme, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is</i></p>	

<i>granted.</i>	
Not Applicable	
4.1.8	What volume of drinking water will be produced by the scheme? Please provide the average and peak daily volume supplied to end users or retail suppliers.
<i>This information will be used to assess the retail supplier's obligation not to over commit, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.</i>	
Not Applicable	
4.1.9	<p>Provide your preliminary risk assessment for the scheme from source to end use in Appendix 4.1.9. It is important that your preliminary risk assessment accurately identifies any hazards present in the source water or likely to result from the proposed treatment process. The risk assessment will also address the intended, inadvertent and unauthorised end uses (and therefore routes of exposure) to the water. The preliminary risk assessment will identify any reasonably foreseeable risk event with the potential to expose people or the environment to hazards. The preliminary risk assessment will outline the broad mitigation measures where the risk of exposure to a hazard is unacceptable to human health or the environment in order to reduce the risk of exposure.</p> <p>The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.</p>
<p>The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks to health and the environment. We strongly recommend that the applicant corporation utilises an established risk management system, such as outlined in AS/NZS ISO 31000:2009 (Risk management – Principles and guidelines), which is consistent with the approach outlined in the Australian Drinking Water Guidelines (element 2).</p>	
<p><i>The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(b) and cl.6(1)(c)(ii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>	
Not Applicable	
4.1.10	Describe how the 12 elements of the framework for the management of drinking water quality, as detailed in the Australian Drinking Water Guidelines (ADWG), have been addressed and will be implemented and maintained. Provide evidence of the applicant corporation's capacity to implement the 12 elements of the

	framework in the ADWG in Appendix 4.1.10.
<p>The evidence should be in the form of management plans for either the proposed scheme or other similar schemes undertaken by the applicant corporation, or in a comprehensive statement detailing the process by which the management plan will be developed. For existing (brownfield) schemes you should provide the actual water quality plan for the site.</p> <p><i>The response to this question is a requirement for any network operator licence for water infrastructure (Reg cl.6(1)(d)(i)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>	
Not Applicable	
4.1.11	<p>How will the continuity of supply of the drinking water be ensured? What contingency plans are in place in the case of failure of the infrastructure? What alternative supplies of drinking water will be used when the infrastructure is inoperable?</p> <p><i>The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>
Not Applicable	
4.1.12	<p>Describe the systems and processes that the applicant corporation will have in place to manage the water infrastructure. Provide evidence of the applicant corporation's capacity to develop and implement an infrastructure operating plan in Appendix 4.1.12.</p> <p>The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The processes and/or procedures should demonstrate good operational practice including life cycle planning, system redundancy, contingency planning, condition monitoring, management maintenance processes and processes of supporting skills needs. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual water quality plan for the site.</p> <p><i>The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response will be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>
Not Applicable	
4.1.13	<p>Describe the studies that have been completed to investigate any environmental impacts (including but not limited to water quality, quantity, air, odour, noise, sea level rise, biodiversity and Aboriginal cultural heritage) from the construction and operation of the infrastructure? Have the studies identified any significant environmental impacts from the scheme? If so, how are the environmental impacts proposed to be managed? Provide a copy of any environmental study and/or risk assessment in Appendix 4.1.13.</p>

As a minimum, an application must be accompanied by a statement of environmental effects (SEE) (unless the development is designated development, Part 5 development or a major project, in which case either an environmental impact statement (EIS) or comprehensive environmental assessment is required). The SEE may be prepared by the applicant corporation or by a consultant acting on behalf of the applicant. The SEE must identify the environmental impacts of the proposed scheme, and the steps which will be taken to protect the environment or reduce the harm. Where the study is in the form of a comprehensive environmental assessment or EIS, please include only the executive summary.

The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response to this question may be used to draft a proposed licence, if a licence is granted.

Not Applicable

4.1.14 If a treatment process forms part of the infrastructure for which the applicant corporation is seeking a licence, what waste streams will be generated by the proposed treatment plant and how will the waste be disposed of or handled?

The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response will also be used as a context for our assessment of the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Not Applicable

4.2 Water infrastructure – non-potable water

Only provide a response to the questions in the following section if the applicant corporation is seeking a licence for the construction, maintenance and operation of water infrastructure for the supply of non-potable water.

4.2.1	Describe the proposed non-potable water infrastructure from the source of the water through to the end use (ie, catchment to tap). Please include in your description all of the infrastructure for which the applicant corporation is seeking a licence. This will include any infrastructure that is to be used for the production, treatment, filtration, storage, conveyance or reticulation of the non-potable water. Please list all sources and end uses in the description. Identify the infrastructure for which the applicant corporation is seeking a licence. Provide a detailed process flow diagram of the proposed infrastructure from source to end use in Appendix 4.2.1.
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You must attach a process flow diagram in response to this question. The process flow diagram should only include the non-potable water infrastructure where the scheme includes more than one type of infrastructure and must cover the process from source to end use. You may also include a piping and instrumentation diagram for additional information.

The response to this question will be used to draft a proposed licence. The licence will specify the type of water industry infrastructure, if a licence is granted (Act s.6(1)(a)). The response will also be used to ensure you have applied for the correct licence(s) and as a context for our assessment of the applicant corporation's technical, organisational and financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

The Bingara Wastewater and Recycled Water Scheme includes sewage collection from the Bingara Gorge development and Wilton Village and its treatment to a high standard to enable usage of recycled water and offset potable water usage.

Raw sewage is collected from the residences and conveyed to the Treatment Plant via three rising mains.

Currently, the Scheme is partially developed and the temporary Treatment Plant is envisaged to reach capacity in a nearby future. The new Bingara PRWP (to be constructed in stages) and operated under the new Licences is required to ensure adequate sewage treatment capacity for the foreseeable future.

The end uses of the recycled water produced at the Bingara PRWP will be as follows:

- Private / commercial customers (via a lilac network).
- Irrigation of public open spaces (within the lilac network area).
- Golf Course irrigation from the irrigation storage lagoon adjacent to the golf course.

For the Overall Bingara Scheme PFD and the Bingara PWTP PFD, refer to Appendix 4.2.1.

4.2.2	Describe whether the infrastructure is existing infrastructure or is to be constructed. If the infrastructure is existing, please describe its current condition and operability. If the infrastructure is a mixture of existing and to be constructed identify the infrastructure as existing or to be constructed on the process flow diagram in Appendix 4.2.1.
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The response to this question will be used as a context for the assessment of environmental

<p><i>risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).</i></p>	
<p>A large amount of infrastructure associated with the Bingara Scheme is already constructed or under construction and Veolia currently hold a NSW Network Operator's Licence (No 10_012) (the Existing Licence) for operation of the Authorised Activities and associated Specified Water Industry Infrastructure.</p> <p>All existing infrastructure is in good condition and operational. However, the temporary Treatment Plant is operating close to capacity and the construction of the new Bingara Gorge PWTP is required to accommodate expected growth.</p> <p>Also, currently the lilac network is supplied with potable water, as the temporary Treatment Plant does not produce water with the quality and quantity required for such use.</p>	
<p>4.2.3</p>	
<p>4.2.3</p>	<p>Describe the <u>location</u> of the proposed infrastructure. For example include:</p> <ul style="list-style-type: none"> ▼ The identification of specific lot descriptors (eg, lot and DP numbers) for the production, treatment, filtration and/or storage infrastructure. ▼ The location of infrastructure for the conveyance and/or reticulation of non-potable water by street name, local government area or other description as appropriate to the size of the scheme. <p>Provide a map showing the location of the proposed infrastructure from source to end use in Appendix 4.2.3.</p>
<p>The map may include all water industry infrastructure (ie, drinking water, non-potable water and/or sewerage) where the scheme includes more than one type of infrastructure.</p>	
<p><i>The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(a)). The response to this question will be used to specify the authorised area of operations (Act s.11(1)), if a licence is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).</i></p>	
<p>The location of the new Bingara Gorge PWTP (object of this Licence Amendment application) is the same as the existing temporary plant, i.e. Lot 103 Condell Park Road (DP1108927), Wilton.</p> <p>Design drawings of this plant are provided in Appendices A and B of the Site Analysis Plan attached to this application as Appendix 4.2.14.</p> <p>The remainder of the infrastructure is covered by the existing licenses.</p>	
<p>4.2.4</p>	
<p>4.2.4</p>	<p>Describe any interconnections between the proposed non-potable water infrastructure and other infrastructure not part of this scheme (eg, interconnections with other licensed network operators or public utilities such as sewers or water mains). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. Identify all interconnections with other infrastructure on the process flow diagram in Appendix 4.2.1 and the map in Appendix 4.2.3.</p>
<p>Examples of interconnections may include potable water top up or trade waste disposal, as well as to other network operators.</p>	
<p><i>The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a</i></p>	

context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the inter-connected systems and responsibilities for risks.

The only interconnection point with other sewage infrastructure not part of this scheme is the Wilton Village sewage pressure main delivery point, owned by the Sydney Water Corporation. A contract between SWC and LL is in place that clarifies scope, interface and responsibilities. The existing licence already covers this interconnection.

Provision for potable water top-up to the treated water tanks, supplied from Sydney Water's network, will also be available for use in emergency shutdowns or other unforeseen circumstances. Sydney Water are proposing to extend their water main to the plant. The new Plant's Services Key Plan is provided in drawings NA82013043-52 C1021 to C1024; Veolia's termination point is TP4, with details provided in drawings A0147-P&ID-6000-01 and A0147-OGA-0000-01 and -02. All drawings are provided in Appendix 4.2.4.

Throughout the network, the risk of contamination of the potable water network with recycled water (e.g. cross connections) has been addressed in the HACCP undertaken. In summary, mitigation measures implemented include:

- o Only approved contractors or staff that have undergone induction can perform work on infrastructure.
- o Potable water reticulation network designed, constructed and tested in accordance with WSAA and Sydney Water standards.
- o Recycled water reticulation networks to be designed, constructed and tested in accordance with WSAA standards.
- o Water pressure in recycled water network to be designed for a minimum of 50 kPa below the available static head in the potable network.
- o Quality assurance, inspection and pressure testing during construction.
- o Ongoing monitoring of water pressure and electrical conductivity in both networks during operation to assist with detection of cross connections.
- o Unique pipe materials in each water network, including use of lilac striped HDPE pipe for recycled water.
- o Minimum pipe separation distances to be maintained in common trenches.
- o Identification tape and signage on all trenches.
- o Compliance audits will be undertaken prior to introducing recycled water to the network.
- o Penalties will apply for failure to comply with all plumbing regulations.

4.2.5 Where applicable, describe the connection point to customers or end users (eg, the customer connection point may be a water meter). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. **Identify all customer and/or end user connections on the process flow diagram in Appendix 4.2.1 and the map in Appendix 4.2.3.**

The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme.

The connection points to customers will be:

- o Water meter for each customer on the lilac network;
- o The irrigation lagoon, for the golf course.

Lend Lease will be responsible for construction of the connection points; Veolia will be responsible for their operation and maintenance.

4.2.6 What volume of water is available from the proposed source? Where applicable, please provide the capacity of the source and the (allowable) average daily extraction rate from the source. If there is more than one source, please provide the requested information for each of the sources. **Where relevant, provide a copy of any agreements and/or licences to access the source water in Appendix 4.2.6.**

The response will also be used as a context for the assessment of the technical, organisational and financial capacity of the applicant corporation (Act s.10(4)(a)).

There are to be three sources of raw wastewater to the Bingara PRWP:

- Gravity sewer catchment, discharging to the Bingara PRWP via a 200 mm PVC Sewerage Rising Main from the existing gravity SPS;
- Bingara Pressure sewer catchment, discharging to the Bingara PRWP via a 250 mm Pressure Sewer Main from the Bingara Gorge pressure sewer network;
- Wilton Pressure sewer catchment, 125 mm Pressure Sewer Main from Wilton Village pressure sewer network.

The design volume of sewage treated by the scheme is:

Project Stage		Stage 2	Ultimate
ET		1540	2000
Pre-screening capacity to EQ Tank (ML/Day)		3.36*	4.92
Biological treatment	ADWF (ML/day)	0.96	1.44
	PWWF (ML/Day)	1.92	2.88

* Pre-screening capacity for the Ultimate flow is to be installed at Stage 1. Capacity increases to the Ultimate flow are achieved by staged upgrading of pumps associated with the pre-screens

The capacity is greater than the expected inflow for the scheme (refer to Table 2 of the Sewage Management Plan) of:

Project Stage		Stage 2	Ultimate
ET		1540	2000
ADWF (ML/day)		0.87	1.09
PWWF (ML/Day)		2.88	3.22

Estimated inflow capacity was based on typical waste generation figures rather than field studies as the catchment is under development. The figures used were:

Gravity catchment = 180L/EP/day

Pressure catchment = 150L/EP/day

The Gravity catchment figure is the figure used by Sydney Water to estimate sewage inflow.

4.2.7	What volume of water will be treated by the scheme? Please provide the average and peak daily flow rates <u>treated by</u> the scheme.													
<p><i>This information will be used to determine the fee category for the scheme, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.</i></p>														
Refer to 4.2.6.														
4.2.8	What volume of non-potable water will be produced by the scheme? Please provide the average and peak daily volume supplied to end users or retail suppliers.													
<p><i>This information will be used to assess the retail supplier's obligation not to over commit, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.</i></p>														
<p>The scheme produces three streams:</p> <table border="1"> <thead> <tr> <th>Stream</th> <th>Details</th> <th>Expected flow</th> </tr> </thead> <tbody> <tr> <td>Screenings</td> <td>From inlet screens via screw press to dewater waste</td> <td>0.38m3/day</td> </tr> <tr> <td>Sludge</td> <td>Dewatered activated sludge from centrifuge</td> <td>2.1 m3/day</td> </tr> <tr> <td>Reclaimed water</td> <td>Delivered to either: - non-potable lilac pipe system or, - irrigation</td> <td>Balance of flow</td> </tr> </tbody> </table>			Stream	Details	Expected flow	Screenings	From inlet screens via screw press to dewater waste	0.38m3/day	Sludge	Dewatered activated sludge from centrifuge	2.1 m3/day	Reclaimed water	Delivered to either: - non-potable lilac pipe system or, - irrigation	Balance of flow
Stream	Details	Expected flow												
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Sludge	Dewatered activated sludge from centrifuge	2.1 m3/day												
Reclaimed water	Delivered to either: - non-potable lilac pipe system or, - irrigation	Balance of flow												
<p>As the table shows, the waste streams are extremely small. Hence, overall system recovery is ~99.7% at Stage 2 conditions.</p>														
4.2.9	List all the intended end uses for the non-potable water generated by the scheme.													
<p><i>The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a), Reg cl.8(1)).</i></p>														
<p>The end uses of the recycled water produced at the Bingara PRWP will be as follows:</p> <ul style="list-style-type: none"> • Private / commercial customers (via a lilac network) for garden irrigation, toilet flushing, car washing and, for the customers that elect it, laundry washing machine (cold tap only). • Irrigation of public open spaces (within the lilac network area). • Golf Course irrigation from the storage lagoon adjacent to the golf course. 														
4.2.10	Provide your preliminary risk assessment for the scheme from source to end use in Appendix 4.2.10. It is important that your preliminary risk assessment													

	<p>accurately identifies any hazards present in the source water or likely to result from the proposed treatment process. The risk assessment will also address the intended, inadvertent and unauthorised end uses (and therefore routes of exposure) to the non-potable water. The preliminary risk assessment will identify any reasonably foreseeable risk event with the potential to expose people or the environment to hazards. The preliminary risk assessment will outline the broad mitigation measures where the risk of exposure to a hazard is unacceptable to human health or the environment in order to reduce the risk of exposure.</p> <p>The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.</p>
	<p>The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks to health and the environment. We strongly recommend that the applicant corporation utilises an established risk management system, such as outlined in AS/NZS ISO 31000:2009 (Risk management – Principles and guidelines), which is consistent with the approach outlined in the Australian Guidelines for Water Recycling (element 2).</p>
	<p><i>The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(b) and cl.6(1)(c)(ii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a), Reg. cl.8(1)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>
	<p>A Hazard Analysis and Critical Control Points (HACCP) was conducted on March 30th and 31st of 2015 for the Bingara PRWP, sewer network and lilac network. A summary of key risks and preventative measures and details of the HACCP evaluation for the recycled water component are provided in Appendix 4.2.10(a).</p> <p>Non-technical risks have also been addressed and the relevant risk assessment is also provided, in the Appendix 4.2.10(b).</p>
4.2.11	<p>Describe how the 12 elements of the framework for the management of recycled water, as detailed in the Australian Guidelines for Water Recycling (AGWR), have been addressed and will be implemented and maintained. Provide evidence of the applicant corporation's capacity to implement the 12 elements of the framework in the AGWR in Appendix 4.2.11.</p>
	<p>The evidence should be in the form of management plans for either the proposed scheme or other similar schemes undertaken by the applicant corporation, or in a comprehensive statement detailing the process by which the management plan will be developed. For existing (brownfield) schemes you should provide the actual water quality plan for the site.</p>
	<p><i>The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(d)(i)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a), Reg. cl.8(2)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence.</i></p>

Refer to Sections 6 to 17 of the Recycled Water Quality Plan attached to this application as Appendix 4.2.11.

4.2.12 How will the continuity of supply of the non-potable water be ensured? What contingency plans are in place in the case of failure of the infrastructure? What alternative supplies of non-potable water will be used when the infrastructure is inoperable?

The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

The Bingara Gorge PWTP is designed with 3 ML of storage in the treated water tanks. This ensures a reliability of supply to the recycled water network during shutdown and maintenance periods.

Continuity of recycled water supply services has been addressed in the following:

- Redundancy available in the recycled water pumps.
- Controls to prevent exceedance of the critical control points (CCP) and therefore ensure continuity of supply from the recycled water tanks. The level of service of recycled water supply is guaranteed by the automated critical control points (CCP) that ensure the supply system is shut down prior to CCP being exceeded CCP critical limit being reached, as detailed in the Water Quality Management Plan.
- Backup supply of potable water from Sydney Water to the treated water tanks.
- Ensuring reliability of supply with measures for prioritising usage to houses, including:
 - o Designing a system that prioritises feed to the lilac network with discharge to the golf course irrigation lagoon via overflow.
 - o Mechanisms to cease irrigation of public spaces if there is a shortfall in supply to the lilac network.

All Treatment Infrastructure equipment and devices were selected for reliability, flexibility and ease of operation and maintenance from prequalified reliable VWS suppliers (including our own Veolia proprietary equipment). In the development of the design and construction design and constructability reviews further support this assurance.

The design ensures:

- Online measuring devices monitor critical operational parameters continuously
- Automated responses to changes in water quality are alarmed to a service engineer (on call 24/7)
- Automated shutdown on Critical Control Points.
- Necessary redundancy in equipment supply and/or back up operational configurations to minimize unplanned plant shutdowns.
- Automatic adjustment of process parameters where appropriate (i.e. flow controlled chemical dosing, automatic cleaning of membranes when deterioration of performance is detected)
- A safe and clean environment is provided for our maintenance and operations staff to work in, including adequate bunding and safe chemical storage and handling equipment.

4.2.13 Describe the systems and processes that the applicant corporation will have in place to manage the non-potable water infrastructure. **Provide evidence of the applicant corporation's capacity to develop and implement an infrastructure operating plan in Appendix 4.2.13.**

The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The processes and/or procedures should demonstrate good operational practice including life cycle planning, system redundancy, contingency planning, condition monitoring, management maintenance processes and processes of supporting skills needs. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual water quality plan for the site.

The response to this question is a requirement for any network operator's licence for water infrastructure (Reg cl.6(1)(c)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Under the current licence, Veolia has developed and implemented an Infrastructure Operating Plan, which has been audited by an IPART approved auditor. Compliance audits have also been undertaken and the system was found compliant.

Veolia has prepared a Recycled Water Plan and an Infrastructure Operating Plan (IOP) specific to the proposed infrastructure, that will also be audited by an IPART approved auditor prior to commercial operation of the plant. These Plans are Commercial in Confidence and can be provided to IPART upon request.

Moreover, the following licences are current for the Darling Quarter water industry infrastructure:

- o Network Operator's licence No 10_008
- o Retail Supplier's licence No 10_009R

4.2.14 Describe the studies that have been completed to investigate any environmental impacts (including but not limited to water quality, quantity, air, odour, noise, sea level rise, biodiversity and Aboriginal cultural heritage) from the construction and operation of the infrastructure? Have the studies identified any significant environmental impacts from the scheme? If so, how are the environmental impacts proposed to be managed? **Provide a copy of any environmental study and/or risk assessment in Appendix 4.2.14.**

As a minimum an application must be accompanied by a statement of environmental effects (SEE) (unless the development is designated development, Part 5 development or a major project, in which case either an environmental impact statement (EIS) or comprehensive environmental assessment is required). The SEE may be prepared by the applicant corporation or by a consultant acting on behalf of the applicant. The SEE must identify the environmental impacts of the proposed scheme, and the steps which will be taken to protect the environment or reduce the harm. Where the study is in the form of a comprehensive environmental assessment or EIS, please include only the executive summary.

The response to this question may be used to draft a proposed licence, if a licence is granted. The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7).

Several studies were undertaken to investigate any environmental impacts. They have been compiled in a Site Analysis Report for submission to the EPA, which is attached in Appendix 4.2.14, and are as follows:

- o Traffic & Access;
- o Land Use Analysis & Suitability;
- o Odour;
- o Noise & Vibration;

- o Water Cycle;
- o Waste; and
- o Cumulative Impacts.

4.2.15	If a treatment process forms part of the infrastructure for which the applicant corporation is seeking a licence, what waste streams will be generated by the proposed treatment plant and how will the waste be disposed of or handled?
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The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response will also be used as a context for our assessment of the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

The waste streams generated by the treatment process will be:

- o Dewatered screenings, from the inlet drum screens via screw presses;
- o Dewatered sludge, biosolids from the Activated Sludge Tanks (biological sludge) dewatered in the sludge centrifuge.

The waste will be collected in separate bins and will be disposed of to landfill/licenced facilities in accordance with its classification.

More details on waste management are provided in the Sewage Management Plan (refer to Appendix 4.2.15).

4.3 Sewerage infrastructure

Only provide a response to the questions in the following section if the applicant corporation is seeking a licence for the construction, maintenance and operation of sewerage infrastructure.

4.3.1	Describe the proposed sewerage infrastructure from the collection to disposal or reuse. Include in your description all of the sewerage infrastructure for which the applicant corporation is seeking a licence. This will include any infrastructure that is to be used for the collection, treatment, filtration, storage, conveyance or disposal of the sewerage or treated effluent. Provide a detailed process flow diagram of the proposed infrastructure from collection to disposal or reuse in Appendix 4.3.1.
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You must attach a process flow diagram in response to this question. The process flow diagram should only include the sewerage infrastructure where the scheme includes more than one type of infrastructure and must cover the process from source to end use. You may also include a piping and instrumentation diagram for additional information.

The response to this question will be used to draft a proposed licence. The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(d)(ii)). The licence will specify the type of water industry infrastructure, if a licence is granted (Act s.6(1)(a)). The response will also be used to ensure you have applied for the correct licence(s) and as a context for our assessment of the applicant corporation's technical, organisational and financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer to 4.2.1 above.

4.3.2	Describe whether the infrastructure is existing infrastructure or is to be constructed. If the infrastructure is existing, please describe its current condition and operability. If the infrastructure is a mixture of existing and to be constructed identify the infrastructure as existing or to be constructed on the process flow diagram in Appendix 4.3.1.
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The response to this question will be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).

Refer to 4.2.2 above.

4.3.3	Describe the <u>location</u> of the proposed infrastructure. For example include: <ul style="list-style-type: none"> ▼ the identification of specific lot descriptors (eg, lot and DP numbers) for the collection, treatment, filtration and/or storage infrastructure ▼ the location of infrastructure for the conveyance and/or reticulation of sewage by street name, local government area or other description as appropriate to the size of the scheme. Provide a map showing the location of the proposed infrastructure from source to end use in Appendix 4.3.3.
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The map may include all water industry infrastructure (ie, drinking water, non-potable water and/or sewerage) where the scheme includes more than one type of infrastructure.

The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(a)). The response to this question will be used to specify

the authorised area of operations (Act s.11(1)), if a licence is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).

Refer to 4.2.3 above.

4.3.4	Describe any interconnections between the proposed sewerage infrastructure and other infrastructure not part of this scheme (eg, interconnections with other licensed network operators or public utilities such as sewers). Identify in your description who is responsible for the construction, operation and maintenance of which infrastructure. Identify all interconnections with other infrastructure on the process flow diagram in Appendix 4.3.1 and the map in Appendix 4.3.3.
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The response to this question will be used to ensure the correct area of operation is specified in the licence, if a licence is granted (Act s.11(1)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the inter-connected systems and responsibilities for risks.

Sydney Water owns the pressure sewer system and network upstream of the Wilton Village rising main.

Lend Lease are contracted to Sydney Water to provide the operation and maintenance of this pressure sewer system and network. Lend Lease have subcontracted this responsibility to VWS. All operational and maintenance activities related to the pressure sewer system and network upstream of the rising main is regulated by Sydney Water WICA licence.

The Wilton Village Rising Main receives all sewage flow from the Sydney Water pressure sewer system and transfers these flows to the Bingara Gorge RWP.

4.3.5	What volume of sewage will be treated by the scheme? Please provide the average and peak daily (hydraulic and biological, where relevant) flow rates <u>treated by</u> the scheme.
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This information will be used to determine the fee category for the scheme, if a licence is granted. The response to this question may be used to draft a proposed licence, if a licence is granted.

Refer to 4.2.7 above.

4.3.6	What volume of treated effluent will be disposed of from the scheme? Please provide the average and peak daily disposal rates <u>disposed from</u> the scheme.
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The response will be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7). The response to this question may be used to draft a proposed licence, if a licence is granted.

During extended wet weather, controlled environmental discharges of recycled water will occur when

the irrigation storage is greater than 75% full and the main golf course storm water lake is overflowing. Water quality will be assured over this period via mixing with stormwater. Based on MEDLI modelling, this is expected to occur in less than 50% of years.

4.3.7 How will the treated effluent be disposed of from the scheme?

The response to this question may be used to draft a proposed licence, if a licence is granted. The response will also be used as a context for the assessment of environmental risks from the proposed scheme (Act s.10(4)(e), Reg cl.7).

The Bingara Scheme has been designed to ensure effective operation during dry weather with a target of zero dry weather over flows or discharges. However, like all sewerage schemes, during periods of extended wet weather the scheme will be required to discharge to the environment in a controlled manner. The discharges are required in order to minimise the public health and environmental risks associated with uncontrolled overflows.

For more details refer to Section 11 Wet Weather Operations of the Sewage Management Plan which is provided in Appendix 4.3.7.

4.3.8 What wastewater and/or catchment characterisation studies have been undertaken? Provide a summary report of any wastewater characterisation or catchment studies including results in Appendix 4.3.8.

This information will be used as a context to the potential health and environmental risks posed by the scheme.

The assessment of potential sewage characteristics is based on a period of composite sampling of raw sewage at the existing Bingara TRWP and from the Wilton catchment in February/March of 2015.

Data available of raw wastewater characteristics at Bingara TRWP:

Monitoring Year		2012/13			2015		
Monitoring Date		10th Nov 2011 - 7th July 2012			19th Jan - 10th Feb		
Days of Composite Sampling		32			12		
		Min	Median	Max	Min	Median	Max
COD	mg/L	90	366	866	158	597	940
BOD	mg/L	23	161	240	82	164	364
TSS	mg/L	20	102	412	144	312	495
TN	mg/L	18.2	66	132	52.7	61	74.4
NH3-N	mg/L	9.04	53	128	31.4	42.4	57.1
TP	mg/L	2.32	10	26.4	9.03	11	15.7
TDS	mg/L	340	427	532	394	560	612

For assumed worst-case median pollutant loads and raw wastewater characteristics for each stage of the Bingara Scheme, refer to the table below:

		Stage 1 Median Values		Stage 2 Median Values		Stage 3 Median Values		Median Concentration existing Bingara TRWP
		900 ET 2700 EP 549 kL/day		1540 ET 4620 EP 866 kL/day		2000 ET 6000 EP 1093 kL/day		(see Table 10 for details)
Pollutant	g/EP/day	kg/day	mg/L	kg/day	mg/L	kg/day	mg/L	mg/L
COD	130	324	649	555	704	720	725	597
BOD	60	162	295	277	320	360	329	164
TSS	70	189	344	323	373	420	384	312
TN	15	40.5	74	70	80	90	82	61
NH3-N	10	27	60	46	63	60	63	42
TP	2.5	40.5	74	69.3	80	90	82	11
TDS	N/A	N/A	<1000	N/A	<1000	N/A	<1000	560

4.3.9	<p>Provide your preliminary risk assessment for the scheme from collection to disposal in Appendix 4.3.9. It is important that your preliminary risk assessment accurately identifies any hazards present in the sewage or likely to result from the proposed treatment process. The risk assessment should also address the intended method of disposal and any inadvertent releases (and therefore routes of exposure) to the treated effluent. The preliminary risk assessment will identify any reasonably foreseeable risk event with the potential to expose people or the environment to hazards. The preliminary risk assessment will outline the broad mitigation measures where the risk of exposure to a hazard is unacceptable to human health or the environment in order to reduce the risk of exposure.</p> <p>The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.</p>
<p>The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks to health and the environment. We strongly recommend that the applicant corporation utilises an established risk management system, such as outlined in AS/NZS ISO 31000:2009 (Risk management – Principles and guidelines). Where relevant, the risk assessment should identify and include any environmental risks and/or management actions identified in the development approval.</p>	
<p><i>The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(b), cl.6(2)(c)(ii), cl.6(2)(d)(i)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response to this question will also be used to draft a proposed licence. The licence will specify the purpose for which the infrastructure can be used, if a licence is granted (Act s.6(1)(a)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>	

A Hazard Analysis and Critical Control Points (HACCP) was conducted on March 30th and 31st of 2015 for the Bingara PRWP, sewer network and lilac network. Details of the HACCP evaluation for the sewerage component are provided in Appendix 4.3.9.

Non-technical risks have also been addressed and the relevant risk assessment is also provided, in the Appendix 4.2.10(b).

4.3.10 Describe the systems and processes that the applicant corporation will have in place to manage the sewerage infrastructure. **Provide evidence of the applicant corporation's capacity to develop and implement an infrastructure operating plan in Appendix 4.3.10.**

The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The processes and/or procedures should demonstrate good operational practice including life cycle planning, system redundancy, contingency planning, condition monitoring, management maintenance processes and processes of supporting skills needs. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual water quality plan for the site.

The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(c)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer to 4.2.13 above.

4.3.11 How will the continuity of the provision of sewerage services be ensured? What contingency plans are in place in the case of failure of the infrastructure?

The response to this question is a requirement for any network operator's licence for sewerage infrastructure (Reg cl.6(2)(c)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (act s.10(4)(a)).

The Bingara PRWP is designed with 95% availability with sufficient storage provided in the WWTP Inlet Balance Tank and Equalisation Tanks to ensure that the plant has no overflows during any maintenance periods based on the maximum design flow. Additional storage shall be installed as required to manage the ultimate capacity requirements of the system.

Sewage storage in the system includes:

Area	Storage Description	Capacity	Nett Cap.
Main Sewerage system	Gravity SPS	150kL	300kL
	Upstream Reticulation	40kL	
	Below ground emergency storage	110kL	
PRWP	Inlet tank (existing)	300kL	2375kL
	Transfer Sump	23kL	

	Equalisation Tanks 2*1 x 1026kL*2	2052kL	
		Total	2675kL

Notes:

1 Tanks installed at Stage 2. An additional tank may be installed to meet the Ultimate demand (decision to install tank will be based on measured sewage flows once Stage 2 installation has been completed)

2 Total volume at Top Water Level

If the PRWP is unable to treat sewage, this volume provides the following days of storage for the design volume of sewage from the scheme:

Flow Condition	Stage 2	Ultimate
ADWF	3.1 days	2.5 days
PWWF	0.9 days	0.8 days

These storage times EXCLUDE additional storage in the Pumping Stations local to the tenements. There is up to 24hrs additional storage in these pumps stations.

The probability of the occurrence of any event or circumstance that could adversely affect the level and standard of service has been addressed in the HACCP. This concludes that the risk mitigation measures provided are adequate to ensure the continuity of sewage services.

4.3.12

Describe the studies that have been completed to investigate any environmental impacts (including but not limited to water quality, quantity, air, noise, sea level rise, biodiversity and Aboriginal cultural heritage) from the construction and operation of the infrastructure? Have the studies identified any significant environmental impacts from the scheme? If so, how are the environmental impacts proposed to be managed? **Provide a copy of any environmental study and/or risk assessment in Appendix 4.3.12.**

As a minimum an application must be accompanied by a statement of environmental effects (SEE) (unless the development is designated development, Part 5 development or a major project, in which case either an environmental impact statement (EIS) or comprehensive environmental assessment is required). The SEE may be prepared by the applicant corporation or by a consultant acting on behalf of the applicant. The SEE must identify the environmental impacts of the proposed scheme, and the steps which will be taken to protect the environment or reduce the harm. Where the study is in the form of a comprehensive environmental assessment or EIS, please include only the executive summary.

The response to this question may be used to draft a proposed licence, if a licence is granted. The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7).

Refer to 4.2.14 above.

4.3.13

Where relevant, what land capability assessments have been undertaken on the proposed land disposal area? **Provide a copy of any soil capability assessment in Appendix 4.3.13.**

The response to this question may be used to draft a proposed licence, if a licence is granted. The response to this question will be used to determine whether the activities authorised by a

<i>licence (if granted) present a significant risk of harm to the environment (Reg cl.7).</i>	
<p>Water, nutrient and salt balance modelling of the proposed recycled water irrigation scheme was undertaken using the MEDLI model version 1.3 (Model for Effluent Disposal by Land Irrigation) developed by the Queensland Department of Natural Resources (Department of Natural Resources, 1998). MEDLI is a daily water, nutrient and salt balance model that uses derived site specific daily rainfall, pan evaporation, temperature and solar radiation data to simulate the water balance, plant growth and nutrient and salt transport in an irrigation system.</p> <p>MEDLI modelling was undertaken to demonstrate the proposed irrigation scheme will comply with the requirements outlined in the NSW Environmental Guidelines: Use of Effluent by Irrigation (NSW DEC, 2004).</p>	
4.3.14	<p>If a treatment process forms part of the infrastructure for which the applicant corporation is seeking a licence, what waste streams will be generated by the proposed treatment plant (such as screenings and biosolids but not including the treated effluent) and how will the waste be disposed of or handled?</p> <p><i>The response to this question will be used to determine whether the activities authorised by a licence (if granted) present a significant risk of harm to the environment (Reg cl.7). The response will also be used as a context for our assessment of the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>
Refer to 4.2.15 above.	

5 Retail Supplier

Only to be completed by applicants seeking a retail supplier's licence.

Note a retail supplier's licence may only be granted if sufficient quantities of the water supplied will have been obtained otherwise than from a public water utility (Act s.10(4)(d)).

5.1 Supply of water

Please provide a response to the questions in the following section if you are seeking a licence for the supply of water by means of any water industry infrastructure. This section applies to the supply of drinking water and non-potable water.

5.1.1 Describe the water industry infrastructure that the applicant corporation will access to supply water.

The response to this question is a requirement for any retail supplier's licence for water industry infrastructure (Reg cl.10(1)(a)). The response will also be used to ensure you have applied for the correct licence(s)).

The Bingara Wastewater and Recycled Water Scheme includes sewage collection and treatment to provide recycled water to a nearby golf course, irrigation of public spaces and for third-pipe usage in a significant portion of houses in the area (via a lilac network). Currently, the Scheme is partially developed, with the Bingara TRWP intended to provide up to 300 kL/day sewage treatment capacity for irrigation with recycled water.

Apart from the new Bingara Gorge PWTP, the infrastructure that will be accessed to supply water will be the same as covered by the existing licence.

The Bingara PRWP, to be constructed in stages, and operated under the new Licences, is required to ensure adequate sewage treatment capacity for the foreseeable future. Modifications from the existing Licences to the new Licences facilitate the capacity to collect and treat a larger volume of wastewater to a higher standard to accommodate an increase in the number of customers serviced, and enable usage of recycled water in the lilac network to offset potable water usage through the scheme.

5.1.2 What volume of water is available from the proposed source? Where applicable, please provide the capacity of the source and the (allowable) average daily extraction rate from the source. If there is more than one source, please provide the requested information for each of the sources. **Where relevant, provide a copy of any agreements and/or licences to access the source water in Appendix 5.1.2.**

The response to this question will be used to determine whether sufficient quantities of the water supplied will have been obtained otherwise than from a public water utility (Act s.10(4)(d)).

There are to be three sources of raw wastewater to the Bingara PRWP:

- Gravity sewer catchment, discharging to the Bingara PRWP via a 200 mm PVC Sewerage Rising

<p>Main from the existing gravity SPS;</p> <ul style="list-style-type: none"> • Bingara Pressure sewer catchment, discharging to the Bingara PRWP via a 250 mm Pressure Sewer Main from the Bingara Gorge pressure sewer network; • Wilton Pressure sewer catchment, 125 mm Pressure Sewer Main from Wilton Village pressure sewer network. <p>There are an estimated total of 2000 equivalent tenements (ET) from the three connected catchments that will ultimately be serviced by the scheme, equating to treatment of an average dry weather flow (ADWF) up to approximately 1.5 ML/d, and peak wet weather flows of up to 3.0 ML/d.</p> <p>Also, the Bingara Gorge PWTP is designed with 3 ML of storage in the treated water tanks. This ensures a reliability of supply to the recycled water network during planned shutdowns and maintenance periods.</p> <p>Provision for potable water top-up to the treated water tanks, supplied from Sydney Water's network, will also be available for use in emergency shutdowns or other unforeseen circumstances.</p>	
5.1.3	What customers or classes of customers does the applicant corporation propose to supply with water?
Classes of customers may include residential, industrial, commercial or agricultural.	
<p><i>The response to this question is a requirement for any retail supplier's licence (Act s.6(1)(b)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>	
<p>The recycled water produced at the Bingara PRWP will be supplied to:</p> <ul style="list-style-type: none"> • Private / commercial customers (via a lilac network) for garden irrigation, toilet flushing, car washing and, for the customers that elect it, laundry washing machine. • Irrigation of public open spaces (within the lilac network area). • Golf Course irrigation from the storage lagoon adjacent to the golf course. <p>These include residential and commercial customers.</p>	
5.1.4	Will you be supplying small retail customers with water (ie, less than 15ML/year)?
<p>A person is a small retail customer in relation to water supply if the maximum rate at which water is supplied, pursuant to one or more water supply contracts, to all premises that the person owns, leases or occupies is less than 15 megalitres per year.</p> <p><i>The response will be used as context to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the supply of water to small retail customers.</i></p>	
Yes.	
5.1.5	Provide your preliminary risk assessment for the retail activities related to the scheme in Appendix 5.1.5. The risk assessment must identify the events and

	circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.																																
The preliminary risk assessment should demonstrate the application of a consistent methodology for identifying hazards and assessing potential impacts and risks. We strongly recommend that the applicant corporation utilises an established risk management system such as outlined in AS/NZS 4360 (Risk Management).																																	
<i>The response to this question is a requirement for any retail supplier's licence (Reg cl.10(1)(b)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)).</i>																																	
Risks pertaining retail activities have been assessed and the result is provided in the Appendix 5.1.5.																																	
5.1.6	How will the continuity of the supply of water to customers be ensured? What contingency plans are in place in the case of failure of the infrastructure?																																
The continuity of supply may differ between customer classes. If this is the case for your project please define the different levels of service for each customer class and how the continuity of supply of water, relevant to that class of customer, will be maintained.																																	
<i>The response to this question is a requirement for any retail supplier's licence (Reg cl.10(1)(b)(iii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i>																																	
<p>The PRWP includes $2 \times 1.5\text{ML} = 3\text{ ML}$ of Treated Water storage (this is the nominal volume – actual volume to TWL is ~8% larger).</p> <p>This storage provides the following days of storage:</p> <table border="1"> <thead> <tr> <th colspan="2" rowspan="2">Stage Details</th><th colspan="2">With Laundry Reuse</th><th colspan="2">No Laundry Reuse</th></tr> <tr> <th>ADD</th><th>MDD</th><th>ADD</th><th>MDD</th></tr> </thead> <tbody> <tr> <td rowspan="2">Stage 2</td><td>Demand (ML/day)</td><td>0.47</td><td>2.03</td><td>0.36</td><td>1.50</td></tr> <tr> <td>Storage (days)</td><td>6.3</td><td>1.5</td><td>8.4</td><td>2.0</td></tr> <tr> <td rowspan="2">Ultimate</td><td>Demand (ML/day)</td><td>0.62</td><td>2.64</td><td>0.47</td><td>1.95</td></tr> <tr> <td>Storage (days)</td><td>4.8</td><td>1.1</td><td>6.4</td><td>1.5</td></tr> </tbody> </table> <p>Note: The figures above are for tanks installed at Stage 2. An additional tank may be installed to meet the Ultimate demand (decision to install tank will be based on demand once Stage 2 installation has been completed).</p> <p>Continuity of recycled water supply services has been addressed in the following:</p> <ul style="list-style-type: none"> • Redundancy available in the recycled water pumps. • Controls to prevent exceedance of the critical control points (CCP) and therefore ensure continuity of supply from the recycled water tanks. The level of service of recycled water supply is guaranteed by the automated critical control points (CCP) that ensure the supply system is shut down prior to CCP being exceeded CCP critical limit being reached, as detailed in the Water Quality 		Stage Details		With Laundry Reuse		No Laundry Reuse		ADD	MDD	ADD	MDD	Stage 2	Demand (ML/day)	0.47	2.03	0.36	1.50	Storage (days)	6.3	1.5	8.4	2.0	Ultimate	Demand (ML/day)	0.62	2.64	0.47	1.95	Storage (days)	4.8	1.1	6.4	1.5
Stage Details				With Laundry Reuse		No Laundry Reuse																											
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	Storage (days)	4.8	1.1	6.4	1.5																												

Management Plan.

- Backup supply of potable water from Sydney Water to the treated water tanks. Note that there will not be a specific Utility Service Agreement for Bingara Gorge. What has been proposed by Sydney Water is to utilise a standard customer contract. This will be between LLcW and SWC. Any applicable conditions will be applied to the supply such as:
 - o Limited to off-peak periods between 9 pm to 8 am, and 11 am to 5 pm (i.e., top up not allowed during morning peak from 8 am to 11 am, and evening peak from 5 pm to 9 pm).
 - o Limited to max flow rate of 39 l/s at full development.
- Ensuring reliability of supply with measures for prioritising usage to houses, including:
 - o Designing a system that prioritises feed to the lilac network with discharge to the golf course irrigation lagoon via overflow.
 - o Mechanisms to cease irrigation of public spaces if there is a shortfall in supply to the lilac network.

All Treatment Infrastructure equipment and devices were selected for reliability, flexibility and ease of operation and maintenance from prequalified reliable VWS suppliers (including our own Veolia proprietary equipment). In the development of the design and construction, design and constructability reviews further support this assurance.

The design ensures:

- Online measuring devices monitor critical operational parameters continuously
- Automated responses to changes in water quality are alarmed to a service engineer (on call 24/7)
- Automated shutdown on Critical Control Points.
- Necessary redundancy in equipment supply and/or back up operational configurations to minimize unplanned plant shutdowns.
- Automatic adjustment of process parameters where appropriate (i.e. flow controlled chemical dosing, automatic cleaning of membranes when deterioration of performance is detected)
- A safe and clean environment is provided for our maintenance and operations staff to work in, including adequate bunding and safe chemical storage and handling equipment.

5.1.7	Describe the systems and processes that the applicant corporation will have in place to manage retail activities including billing systems, complaint and debt recovery procedures. Provide evidence of the applicant corporation's capacity to develop and implement a retail supply management plan in Appendix 5.1.7.
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The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual systems and procedures.

The response to this question is a requirement for any retail supplier's licence (Reg cl.10(1)(b)(iv)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Veolia has not only developed and implemented the Retail Supply Management Plan for the plant now in operation, but also has submitted to IPART Annual Retail Supply Licence Compliance Reports, as required.

The systems and processes to manage retail activities would be similar to the ones now in place for the temporary plant.

5.2 Provision of sewerage services

Please provide a response to the questions in the following section if you are seeking a licence for the provision of sewerage services by means of any water industry infrastructure.

5.2.1 Describe the water industry infrastructure that the applicant corporation will access to provide sewerage services.

The response to this question is a requirement for any retail supplier's licence for water industry infrastructure (Reg cl.10(2)(a)). The response will also be used to ensure you have applied for the correct licence(s).

Refer to 5.1.1

5.2.2 What customers or classes of customers does the applicant corporation propose to provide with sewerage services?

Classes of customers may include residential, industrial, commercial or agricultural. The licence may also specify whether the customers are small retail customers.

The response to this question is a requirement for any retail supplier's licence (Act s.6(1)(b)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

The classes of customers that will be serviced will be mainly residential, some commercial and (in the future) potentially light industrial.

5.2.3 Will you be providing small retail customers with sewerage services (i.e. less than 10.5 ML/year)?

A person is a small retail customer in relation to the provision of sewerage services if the maximum rate at which sewage is discharged, pursuant to one or more sewerage service contracts, from all premises that the person owns, leases or occupies is less than 10.5 megalitres per year, as determined in accordance with guidelines issued by IPART.

The response will be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)). The response will also be used as a context for the assessment of risks from the proposed scheme and to identify possible additional licence conditions relating to the supply of water to small retail customers.

Yes.

5.2.4 Provide your preliminary risk assessment for the retail activities related to the scheme in Appendix 5.2.4. The risk assessment must also identify the events and circumstances that could adversely affect the applicant corporation's ability to carry out the activities for which the licence is sought (including any activities undertaken by a nominated third party), the probability of the occurrence of any such event or circumstance and the measures to be taken by the applicant corporation to prevent or minimise the likelihood of any such event or circumstance.

The preliminary risk assessment should demonstrate the application of a consistent

<p>methodology for identifying hazards and assessing potential impacts and risks. We strongly recommend that the applicant corporation utilises an established risk management system such as outlined in AS/NZS 4360 (Risk Management).</p>	
<p><i>The response to this question is a requirement for any retail supplier's licence (Reg cl.10(2)(b)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)).</i></p>	
<p>Risks pertaining retail activities have been assessed and the result is provided in the Appendix 5.1.5. A risk assessment for non-technical risks is also provided in Appendix 4.2.10(b).</p>	
5.2.5	<p>How will the continuity of the provision of sewerage services be ensured? What contingency plans are in place in the case of failure of the infrastructure?</p>
<p><i>The response to this question is a requirement for any retail supplier's licence (Reg cl.10(2)(b)(iii)). The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>	
<p>Refer to 4.3.11.</p>	
5.2.6	<p>Describe the systems and processes that the applicant corporation will have in place to manage retail activities including billing systems, complaint and debt recovery procedures. Provide evidence of the applicant corporation's capacity to develop and implement a retail supply management plan in Appendix 5.2.6.</p>
<p>The evidence may include examples of processes and procedures for either the proposed scheme or other similar schemes undertaken by the applicant corporation. The examples should demonstrate links to a risk management process. For existing (brownfield) schemes you should provide the actual systems and procedures.</p>	
<p><i>The response to this question is a requirement for any retail supplier's licence (Reg cl.10(2)(b)(iv)). The response will also be used to assess the applicant corporation's technical capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>	
<p>Refer to 5.1.7.</p>	

6 Applicant experience and systems

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

6.1 Network operator

Only provide a response to the questions in the following section if the applicant corporation is seeking a network operator's licence

6.1.1 Describe the structure of the applicant corporation. Include in the description a list of the entities that have an ownership interest in the applicant corporation, whether legal or equitable. **Provide an organisational diagram in an Appendix 6.1.1.** The diagram should clearly show all entities that have an ownership interest in the applicant corporation,

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Veolia Water Solutions & Technologies (Australia) Pty Ltd is owned by Veolia Environnement SA (incorporated in France) and is part of the wider Veolia Water Technologies group of companies.

Organisation chart of Veolia Water Solutions & Technologies (Australia) Pty Ltd and organisational diagram for Veolia's holding structure are provided in Appendix 6.1.1.

6.1.2 Describe the applicant corporation's (and, where relevant, the nominated third parties) current experience in the construction, maintenance and operation of water and/or other utility infrastructure such as gas, electricity or telecommunications.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Veolia have the relevant qualification, competences and experience in water recycling and is committed to responsible use of recycled water.

Veolia have over 20 years of experience in the field of reuse with participation in over 100 reuse projects worldwide, ranging from partial potable substitution (Western Corridor, QLD), to golf course irrigation (Brampton Island reuse plant, QLD) to reuse for industry (Illawarra Wastewater Strategy (NSW) and Kwinana (WA). Veolia is the design and build contractor for the Rosehill Camellia Recycled Water Project, NSW.

Veolia have won many awards for innovative and successful water reuse solutions in USA, Australia and South Africa: our most recent award being for Masterfoods recycling plant in NSW. This was the GWI (Global Water Intelligence) award for innovation awarded in May 2010.

Network Operators and Retail Supplier's Licences that have been granted to Veolia by IPART for current operations include:

- The following licences for the Bingara TRWP:
 - o Network Operator's licence No 10_012

	<ul style="list-style-type: none"> o Retail Supplier's licence No 10_13R · The following licences are current for the Darling Quarter water industry infrastructure: <ul style="list-style-type: none"> o Network Operator's licence No 10_008 o Retail Supplier's licence No 10_009R <p>The above demonstrates that Veolia have the capability, expertise and capacity to convey and treat sewage and to produce and retail recycled water for potable water replacement in a third pipe system to meet all regulations and condition. Furthermore Veolia understand the procedures and requirements of IPART to ensure ongoing update and compliance with regulations.</p>
6.1.3	<p>List the key personnel involved in each of the significant activities (construction, maintenance and operation) and summarise their required skills, qualifications and experience. Provide a position description for each of the key personnel positions in Appendix 6.1.3.</p>
	<p>Clearly identify whether the key personnel are employees of the applicant corporation or, where relevant, the nominated third party. It is not necessary to list all the employees. Ensure that the key personnel include the person or persons responsible for managing the applicant corporation's compliance with their legislative responsibilities.</p>
	<p><i>The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>
	<p>A team with appropriate knowledge and expertise has been allocated to this project, from design and construction to operation and maintenance. Details of that team, corporate CVs of the key personnel and position descriptions are provided in Appendix 6.1.3.</p>
6.1.4	<p>Please provide details of any other regulatory approvals or licences the applicant corporation or nominated third party holds in relation to the infrastructure activities for which you are seeking a licence.</p>
	<p>Include relevant approvals for similar projects interstate or overseas to demonstrate the experience of the applicant corporation. We may seek confirmation of your compliance history in relation to other regulatory approvals or licences as part of our assessment.</p>
	<p><i>The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i></p>
	<p>Network Operators and Retail Supplier's Licences that have been granted to VWS by IPART for current operations include:</p> <ul style="list-style-type: none"> · The following licences for the Bingara TRWP: <ul style="list-style-type: none"> o Network Operator's licence No 10_012 o Retail Supplier's licence No 10_13R · The following licences are current for the Darling Quarter water industry infrastructure: <ul style="list-style-type: none"> o Network Operator's licence No 10_008 o Retail Supplier's licence No 10_009
6.1.5	<p>What business systems will the applicant corporation have in place to ensure they can comply with your regulatory requirements? Are any of the systems certified or will they be certified?</p>

Business systems may include but not be limited to quality assurance, asset management and environmental management systems.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Veolia are certified for all business activities including engineering, procurement and project management, providing the foundation necessary for consistent and exceptional quality.

Veolia have a defined way of doing business to eliminate or mitigate risk to a level acceptable to the Company and ensure compliance with all regulatory requirements; this is achieved by rigorously applying our BSI certified integrated management system (IMS) which contains the necessary risk management tools (following the AS/NZS 4360 Risk management standard approach) to properly conduct our business in the Plan, Do, Check approach of the applicable standards. Our IMS is certified to:

- o AS/NZS 4801:2001 OHSMS std
- o BS OHSAS 18001:2007
- o AS/NZS ISO 14001:2004 EMS
- o AS/NZS ISO 9001:2008 QMS

6.2 Retail supplier

Only provide a response to the questions in the following section if the applicant corporation is seeking a retail supplier's licence

- | | |
|-------|---|
| 6.2.1 | Describe the structure of the applicant corporation. Include in the description a list of the entities that have an ownership interest in the applicant corporation, whether legal or equitable, and a list of the entities that the applicant corporation has an ownership interest in. Provide an organisational diagram in Appendix 6.2.1. The diagram should clearly show all entities that have an ownership interest in the applicant corporation. |
|-------|---|

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer to 6.1.1.

- | | |
|-------|---|
| 6.2.2 | Describe the applicant corporation's (and, where relevant, the nominated third parties) current experience in the supply of water or the provision of sewerage services. Please also outline any previous experience in the retailing of other services such as gas, electricity or telecommunications. |
|-------|---|

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Refer to 6.1.2.

- | | |
|-------|---|
| 6.2.3 | List the key personnel involved in the retail activities and summarise their required skills, qualifications and experience. Provide a position description for each of the key personnel positions in Appendix 6.2.3. |
|-------|---|

Clearly identify whether the key personnel are employees of the applicant corporation or, where relevant, the nominated third party. Ensure that the key personnel include the person or persons responsible for managing the applicant corporation's compliance with their legislative responsibilities.

The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Attached as Appendix 6.2.3 are positions descriptions for personnel involved in retail services, namely Service Engineer/Plant Owner and Key Accounts Administrator.

- | | |
|-------|---|
| 6.2.4 | Please provide details of any other regulatory approvals or licences the applicant corporation or nominated third party holds in relation to the retail activities for which you are seeking a licence. |
|-------|---|

Include relevant approvals for similar projects interstate or overseas to demonstrate the experience of the applicant corporation. We may seek confirmation of your compliance history in relation to other regulatory approvals or licences as part of our assessment.

The response will be used to assess the applicant corporation's technical and organisational

<i>capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i>	
Refer to 6.1.4.	
6.2.5	What business systems will the applicant corporation have in place to ensure they can comply with your regulatory requirements? Are any of the systems certified or will they be certified?
Business systems may include but not be limited to quality assurance and environmental management systems. Retail systems such as billing and complaint management should be included in the response to this question.	
<i>The response will be used to assess the applicant corporation's technical and organisational capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).</i>	
Refer to 6.1.5.	

7 Financial capacity

The response to the following questions will be used to assess the applicant corporation's financial capacity to undertake the activities for which you are seeking a licence (Act s.10(4)(a)).

Provide a response to the financial questions according to the following matrix:

	Question					
	7.1	7.2	7.3	7.4	7.5	7.6
Retail supply licence only	✓	✓	✓			
Network operator licence						
For infrastructure used for self supply	✓	✓				
For infrastructure used to supply large retail customers	✓	✓	✓			
For infrastructure used to supply small retail customers with non-essential services	✓	✓	✓	✓	✓	
For infrastructure used to supply small retail customers with essential services ^a	✓	✓	✓	✓	✓	✓

^a Applicant corporations who are providing essential services to small retail customers will be required to meet with our financial assessment team following submission of the application to discuss the information requirements for making the financial capacity assessment.

7.1 How will the applicant corporation finance the proposed activity?

7.1.1 Describe the mechanisms by which the applicant corporation's activities are financed or to be financed. **Provide evidence of any financial guarantees or commitment of financial support in Appendix 7.1.1.**

Evidence of financial support may include, but is not limited to; a letter from a financial institution (being a bank, credit union or the government) confirming indicative financing of the applicant corporation's activities, including:

- ▼ the nature of finance (eg, bridging, long term, corporate debt, government funding)
- ▼ type and limit of the facility
- ▼ type and limit of any guarantee, and
- ▼ terms and conditions.

Confidential information not to be included in public submission for consultation.

7.2 Are there any events that could affect the applicant corporation's future financial capacity?	
7.2.1	Are there any events or circumstances, that you are currently aware of, that could affect the applicant corporation's future financial capacity? If applicable, provide details of all such events relevant to the applicant corporation for the last 3 years from the date of this application.
<p>Events and circumstances may include but are not limited to:</p> <ul style="list-style-type: none"> ▼ Government or other investigation of the applicant corporation or related entities ▼ Contract terminated ▼ Factors which might impact on the applicant corporation such as significant litigation, business commitments, contingent liabilities, collections by debt collection agencies on behalf of creditors or liquidation proceedings ▼ Any outstanding tax liabilities ▼ Any other particulars which are likely to adversely affect the applicant corporation's capacity to undertake the services under the licence (if granted). 	
Confidential information not to be included in public submission for consultation.	
7.3 What is the projected financial performance of the proposed activities?	
7.3.1	Summarise the projected cash flows (net EBITDA), including key financial modelling assumptions, such as capex, for the first 5 years of operation (at minimum). Provide the projected cash flows for a minimum of the next five (5) years of operation (including projected closing balance sheets and profit and loss statements), taking into account the licensing agreements, with details of all key financial modelling assumptions in Appendix 7.3.1 .
If necessary, a longer period may be provided to demonstrate financial viability of the project.	
Confidential information not to be included in public submission for consultation.	
7.3.2	Where the applicant corporation is seeking a network operator's licence, who is the owner of the infrastructure for which the applicant corporation is seeking a licence?
Confidential information not to be included in public submission for consultation.	
7.3.3	Where the applicant corporation is applying for a retail supplier's licence to supply water or provide sewerage service to residential households, provide an estimate of the cost per household per year to supply water and/or provide sewerage services (as is relevant). Who will pay the cost? What is the proposed price level and structure for the first five years of operation?
The response to this question will be used to determine whether there are any issues of public interest arising from the proposed scheme (Act s.10(4)(f)).	

Confidential information not to be included in public submission for consultation.

7.4 What is the applicant corporation's financial history?

7.4.1 Does the applicant corporation have a financial history? If not, explain why.

Confidential information not to be included in public submission for consultation.

7.4.2 Where the applicant is a new corporation, supported by one or more parent entities, provide a copy of guarantee or cross deed of indemnity provided by the parent entity, and financial statements for the parent entity for the last 3 years in **Appendix 7.4.2**.

Please include any parent entity with more than 20 per cent of equity in the applicant corporation.

Confidential information not to be included in public submission for consultation.

7.4.3 Where the applicant is a new corporation financed through alternative arrangements (eg, debt or equity), provide a letter from a financial institution (eg, bank, credit union or the government) certifying an existing or proposed line of credit or financial support, and a copy of guarantee or cross deed of indemnity provided by an entity such as a holding company or Director (provide financial statements demonstrating the financial viability of the guarantor) in **Appendix 7.4.3**.

Confidential information not to be included in public submission for consultation.

7.4.4 Where the applicant is not a new corporation, summarise the performance of the applicant corporation over the past 3 years below. Provide copies of tax returns for the corporation for the last 3 years in **Appendix 7.4.4(a)**. Provide financial statements for the last 3 years in **Appendix 7.4.4(b)**. Where the latest annual financial statements are more than 3 months old, provide the latest available management reports showing:

- ▼ a trading statement
- ▼ a profit and loss statement, and
- ▼ a trial balance.

It is preferable that these financial statements are audited. It is recognised that not all corporations are required to have their annual financial statements audited. However, where you are required to lodge audited financial statements with the Australian Securities and Investments Commission (ASIC), provide copies of these statements. (Note: consolidated accounts for the parent organisation or group to which the applicant corporation belongs would not be considered acceptable)

Confidential information not to be included in public submission for consultation.

7.4.5	If applicable, what is the applicant corporation's credit rating? Provide the applicant corporation's Credit rating memorandum (eg, Standard & Poor's, Moody's or Fitch), if available in Appendix 7.4.5 .
Confidential information not to be included in public submission for consultation.	
7.4.6	Provide details of the applicant corporation's debt/equity finance and any debt covenants on existing borrowings.
Confidential information not to be included in public submission for consultation.	
7.5 Contacts	
7.5.1	Does the applicant corporation have an accountant? If yes, what are the accountant's contact details?
Confidential information not to be included in public submission for consultation.	
7.5.2	Does the applicant corporation have an external auditor? If yes, what are the external auditor's contact details?
Confidential information not to be included in public submission for consultation.	
7.5.3	If required, may we contact the accountant and/or external auditor registered taxation agent to clarify any information provided?
Confidential information not to be included in public submission for consultation.	
7.6 Internal accounting records	
7.6.1	Provide bank reconciliations, aged accounts receivable reports, and aged accounts payable reports in Appendix 7.6.1 at the dates of: <ul style="list-style-type: none"> ▼ The latest management accounting reports (if applicable) and annual financial statements ▼ 30 September (most recent) ▼ 31 December (most recent) ▼ 31 March (most recent), and ▼ 30 June (most recent) for the applicant corporation.
Confidential information not to be included in public submission for consultation.	

7.6.2	Provide an extract of the superannuation payable ledger in Appendix 7.6.2 for: <ul style="list-style-type: none"> ▼ the 12 months ending on the date of the latest annual financial statements, and ▼ the period commencing on the date of the latest annual financial statements and ending on the date of the latest management accounting reports (if applicable) for the applicant corporation.
Confidential information not to be included in public submission for consultation.	
7.6.3	Provide bank statements for the 3 months to the date of the latest management accounting reports (if applicable) or annual financial statements for the applicant corporation, whichever has been submitted with the application in Appendix 7.6.3 .
Confidential information not to be included in public submission for consultation.	

8 Statutory declaration and acknowledgement

To be completed by all applicants

8.1 Statutory declaration

Provide a statutory declaration from:

- (a) the Chief Executive Officer and a director of the applicant corporation (each must complete a separate declaration); or
- (b) the sole director and Chief Executive Officer of the applicant corporation; or
- (c) such other person that IPART agrees may provide the statutory declaration/s;

to the effect that the information provided in the application is true and correct. For the purposes of Part 3 of this application form, the statutory declaration should also state that the applicant corporation is not a disqualified corporation and that no director or person concerned in the management of the applicant corporation is or would be a disqualified individual within the meaning of the WIC Act.

A statutory declaration must be signed by an authorised witness.

This is a list of NSW authorised witnesses:

- ▼ a justice of the peace;
- ▼ a solicitor or barrister with a current New South Wales or interstate practising certificate;
- ▼ a commissioner of the court for taking affidavits;
- ▼ a notary public; and
- ▼ a person by law authorised to administer an oath (eg, authorised witnesses in other jurisdictions).

I, do solemnly and sincerely declare that:

1. I am a director / the Chief Executive Officer / the sole director and Chief Executive Officer ~~[delete as applicable]~~ of the applicant (named in the application form submitted to the Independent Pricing and Regulatory Tribunal on 26 June 2015);
2. the information provided in this application is true and correct to the best of my knowledge;
3. I am aware of the requirements under the *Water Industry Competition Act 2006* (NSW) (**WIC Act**) for the licence being applied for;
4. the applicant corporation is not, for the purpose of section 10(3)(a) of the WIC Act, a disqualified corporation (as defined in the Dictionary of the WIC Act);
5. the applicant corporation is not, for the purpose of section 10(3)(b) of the WIC Act, a related entity of a disqualified corporation (as defined in the Dictionary of the WIC Act) that would have a direct or indirect interest in, or influence on, the carrying out of the activities that the licence (the subject of the application in relation to which this declaration is made), if granted, would authorise;
6. I have the authority to make this application on behalf of the applicant (named in the application form accompanying this declaration);

and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the *Oaths Act 1900* (NSW).

Name of person making the declaration: Emmanuel Gavan

Title of person making the application: Managing Director

Signature of person making the declaration: _____

Declared at [place]: Sydney NSW

On [date]: 02-09-15

In the presence of an authorised witness, who states:

I [insert name of authorised witness] Olivier LEFÈVRE

a [insert qualification to be authorised witness] Company Secretary

certify the following matters concerning the making of this statutory declaration by the person who made it: [* please cross out any text that does not apply]

1. "I saw the face of the person or ~~I did not see the face of the person because the person was wearing a face covering, but I am satisfied that the person had a special justification for not removing the covering.~~
2. "I have known the person for at least 12 months or ~~"I have confirmed the person's identity using an identification document and the document I relied on was~~ [describe identification document relied on]

Signature of authorised witness: _____

Date: 02.09.15

I, do solemnly and sincerely declare that:

1. I am the Chief Financial Officer of the applicant (named in the application form submitted to the Independent Pricing and Regulatory Tribunal on 26 June 2015);
2. the information provided in this application is true and correct to the best of my knowledge;
3. I am aware of the requirements under the *Water Industry Competition Act 2006 (NSW) (WIC Act)* for the licence being applied for;
4. the applicant corporation is not, for the purpose of section 10(3)(a) of the WIC Act, a disqualified corporation (as defined in the Dictionary of the WIC Act);
5. the applicant corporation is not, for the purpose of section 10(3)(b) of the WIC Act, a related entity of a disqualified corporation (as defined in the Dictionary of the WIC Act) that would have a direct or indirect interest in, or influence on, the carrying out of the activities that the licence (the subject of the application in relation to which this declaration is made), if granted, would authorise;
6. I have the authority to make this application on behalf of the applicant (named in the application form accompanying this declaration);

and I make this solemn declaration conscientiously believing the same to be true and by virtue of the provisions of the *Oaths Act 1900 (NSW)*.

Name of person making the declaration: Olivier Lefevre

Title of person making the application: Chief Financial Officer

Signature of person making the declaration: _____

Declared at [place]: Sydney NSW

On [date]: 10-09-2015

In the presence of an authorised witness, who states:

I [insert name of authorised witness] MAYUMI MCCAWLEY

a [insert qualification to be authorised witness] JUSTICE PEACE #199775

certify the following matters concerning the making of this statutory declaration by the person who made it: [* please cross out any text that does not apply]

1. ~~I saw the face of the person or~~ ~~I did not see the face of the person because the person was wearing a~~ ~~face covering, but I am satisfied that the person had a special justification for not removing the~~ ~~covering.~~
2. ~~I have known the person for at least 12 months or~~ ~~I have confirmed the person's identity using an~~ ~~identification document and the document I relied on was~~ ~~(describe identification document relied on)~~

Signature of authorised witness: _____

Date: 10-09-15

8.2 Acknowledgement

An acknowledgement should be provided by:

- (a) company secretary and a director, or
- (b) 2 directors, or
- (c) in the case of a sole director, the sole director, or
- (d) such other person that IPART agrees may provide the acknowledgement.

The applicant (named in the application form accompanying this acknowledgement) agrees to IPART furnishing a copy of the applicant's completed application form, including any confidential information contained in that application form, to:

- the Minister administering the *Water Industry Competition Act 2006* (NSW) (except Part 3)
- the Minister administering the *Public Health Act 1991* (NSW)
- the Minister administering Chapter 2 of the *Water Management Act 2000* (NSW)
- the Minister administering the *Environmental Planning and Assessment Act 1979* (NSW), and
- the Minister administering the *Protection of the Environment Operations Act 1997* (NSW),

in accordance with section 9(1) of the *Water Industry Competition Act 2006* (NSW) and clause 17 of the *Water Industry Competition (General) Regulation 2006* (NSW).

In the interest of expediting the processing of your application, would you please indicate below whether you agree to a copy of your completed application form (including any confidential information contained in that application form) being provided on a confidential basis directly to relevant departmental staff with responsibility to advise the Ministers named above on issues relating to the provision of water and sewerage services.

- ☒ I **agree** that a copy of my completed application form (including any confidential information contained in that application form) may be provided to relevant departmental staff as outlined above.
- ☐ I **do not agree** that a copy of my completed application form (including any confidential information contained in that application form) may be provided to relevant departmental staff as outlined above.

Name of person making the acknowledgement: *Olivier Lefevre*

Title of person making the acknowledgement: *Company Secretary*

On: *19th June 2015*

Signature of person making the acknowledgement: 

Name of person making the acknowledgement: *Emmanuel Gayan*

Title of person making the acknowledgement: *Director*

On: *19th June 2015*

Signature of person making the acknowledgement: 

Attachment A: Summary of appendices

Applicant:	Veolia Water Solutions & Technologies (Australia) Pty Ltd
Scheme name:	Bingara Gorge Permanent Wastewater Treatment Plant
Date:	26/06/2015

Are the following supporting documents labelled and attached as appendices?

Item	Confirm complete
Part 3: general information	
■ Copies of relevant insurance certificates (Appendix 3.3.1)	Confidential
■ Other regulatory approvals/licences (Appendix 3.5.1)	✓
Part 4: network operator (if applicable)	
For drinking water infrastructure	
■ A process flow diagram from source to end use showing infrastructure that is existing or to be constructed, interconnections and customers and/or end users (Appendix 4.1.1)	N/A
■ A map of the proposed infrastructure from source to end use showing interconnections and customers and/or end users (Appendix 4.1.3)	N/A
■ Where relevant, a copy of any agreements and/or licences to access the source water (Appendix 4.1.6)	N/A
■ A preliminary risk assessment for the scheme from source to end use (Appendix 4.1.9)	N/A
■ Evidence of the applicant's capacity to implement the 12 elements of the Australian Drinking Water Guidelines Framework (Appendix 4.1.10)	N/A
■ Evidence of the applicant's capacity to develop and implement an infrastructure operating plan (Appendix 4.1.12)	N/A
■ Any environmental study and/or risk assessment (Appendix 4.1.13)	N/A
For non-potable water infrastructure	
■ A process flow diagram from source to end use showing infrastructure that is existing or to be constructed, interconnections and customers and/or end users (Appendix 4.2.1)	✓
■ A map of the proposed infrastructure from source to end use showing interconnections and customers and/or end users (Appendix 4.2.3)	✓ Appendix 4.2.14

Item	Confirm complete
■ Where relevant, a copy of any agreements and/or licences to access the source water (Appendix 4.2.6)	N/A
■ A preliminary risk assessment for the scheme from source to end use (Appendix 4.2.10)	✓
■ Evidence of the applicant's capacity to implement the 12 elements of the Australian Guidelines for Water Recycling Framework (Appendix 4.2.11)	✓
■ Evidence of the applicant's capacity to develop and implement an infrastructure operating plan (Appendix 4.2.13)	Commercial in Confidence
■ Any environmental study and/or risk assessment (Appendix 4.2.14)	✓
For sewerage infrastructure	
■ A process flow diagram from collection to disposal or reuse showing infrastructure that is existing or to be constructed, and interconnections (Appendix 4.3.1)	✓
■ A map of the proposed infrastructure from collection to disposal or reuse showing interconnections (Appendix 4.3.3)	✓
■ A summary report of any wastewater characterisation or catchment studies (Appendix 4.3.8)	✓ (Tables)
■ A preliminary risk assessment for the scheme from collection to disposal (Appendix 4.3.9)	✓
■ Evidence of the applicant's capacity to develop and implement an infrastructure operating plan (Appendix 4.3.10)	Commercial in Confidence
■ Any environmental study and/or risk assessment (Appendix 4.3.12)	✓ Appendix 4.2.14
■ Where relevant, a copy of a soil capability assessment (Appendix 4.3.13)	N/A
Pat 5: retail supplier (if applicable)	
For the supply of water	
■ Where relevant, a copy of any agreements and/or licences to access the source water (Appendix 5.1.2)	N/A
■ A preliminary risk assessment for the retail activities related to the scheme (Appendix 5.1.5)	✓
■ Evidence of the applicant's capacity to develop and implement a retail supply management plan (Appendix 5.1.7)	Commercial in Confidence

Item	Confirm complete
For the provision of sewerage services	
■ A preliminary risk assessment for the retail activities related to the scheme (Appendix 5.2.4)	✓
■ Evidence of the applicant's capacity to develop and implement a retail supply management plan (Appendix 5.2.6)	Commercial in Confidence
Part 6: applicant experience and systems	
For a network operator (if applicable)	
■ An organisational diagram (Appendix 6.1.1)	✓
■ Position descriptions for each of the key personnel positions (Appendix 6.1.3)	✓
For a retail supplier (if applicable)	
■ An organisational diagram (Appendix 6.2.1)	✓
■ Position descriptions for each of the key personnel positions (Appendix 6.2.3)	✓
Part 7: financial capacity	
■ Evidence of any financial guarantees or commitment of financial support (Appendix 7.1.1)	Confidential
■ Where relevant, projected cash flows for minimum 5 years and key financial modelling assumptions (Appendix 7.3.1)	Confidential
■ Where relevant, the guarantee or cross deed of indemnity provided by the parent entity, and financial statements for the parent entity for the last 3 years (Appendix 7.4.2)	N/A
■ Where relevant, evidence of alternative funding arrangements such as a letter, guarantee or cross deed of indemnity provided by the guarantor (Appendix 7.4.3)	N/A
■ Where relevant, tax return for the applicant for the last 3 years (Appendix 7.4.4(a))	Confidential
■ Where relevant, financial statements for the applicant for the last 3 years (Appendix 7.4.4(b))	Confidential
■ Where relevant, the applicant's credit rating memorandum (Appendix 7.4.5)	Confidential
■ Where relevant, bank reconciliations, aged accounts receivable reports, and aged accounts payable reports (Appendix 7.6.1)	Confidential
■ Where relevant, extracts of the superannuation payable ledger (Appendix 7.6.2)	Confidential

Item	Confirm complete
<ul style="list-style-type: none"> ■ Where relevant, bank statements for the 3 months to date or annual financial statements (Appendix 7.6.3) 	Confidential