This document presents Council’s answers to commonly asked questions raised by the community about wastewater treatment plants, including Logan South Wastewater Treatment Plant B (WWTP B).

PROJECT OVERVIEW AND MANAGEMENT

1. **Why is a new wastewater treatment plant needed?**

The City of Logan is one of Australia’s fastest growing cities. A key development corridor extends from Park Ridge to Yarrabilba. As development progresses and the population increases in this corridor, additional critical infrastructure such as wastewater treatment facilities and trunk pipelines is required.

2. **Where will the wastewater treatment plant be located?**

At the Ordinary Council meeting of 16 April 2019, Council selected a final site for the Logan South WWTP B. The site is located at the eastern end of Pleasant View Road at Chambers Flat.

The selected site was considered the most suitable for a modern wastewater treatment Plant due to the availability of flood free land, the relatively low impact on the community and environment compared with other sites assessed and the proximity to the Logan River.

3. **There is already a wastewater treatment plant at Cedar Grove under construction; why not use it?**

The treatment plant at Cedar Grove is to cater for growth in the Greater Flagstone, Greenbank and Jimboomba areas. This plant will be operational by mid-2020.

4. **Who is managing this project?**

Council is co-funding this project with the Queensland Government and coordinating this project in consultation with regulatory authorities and community members.

Council’s Logan Water Infrastructure Alliance will undertake all planning and design activities.

The plant will be operated and maintained by Council.

5. **What is the development timeframe?**

Planning of the new wastewater treatment Plant has commenced with a site selected in April 2019.

Following engineering design, funding and approvals, construction of the treatment plant and connecting trunk pipelines will occur in stages.

Current planning suggests that the first stage of the treatment plant is required sometime after 2021 to service development.
6. Who will approve the development of the new infrastructure and when?

Logan City Council will coordinate necessary funding and approvals. Environmental approvals / licenses are provided by the Department of Environment and Science.

7. When will more information be available about the project?

More information will be available as the project progresses through the planning and design phases.

PROJECT NEEDS / BENEFITS

8. How will the Logan community benefit from this new wastewater treatment plant?

The main project benefits and opportunities for Logan’s economy, environment and community are:

- Essential services for growing communities in the city’s central to southern corridor.
- Development of sustainable infrastructure that minimises lifecycle costs, energy use, greenhouse gas emissions, potential wastewater overflows and odours.
- Local employment and skills development during delivery and operation of new infrastructure. Local construction companies and suppliers will be used wherever possible.
- Potential opportunities to enhance local community facilities and wildlife habitat as part of the development.

WASTEWATER TREATMENT PLANT DESIGN

9. What type of wastewater treatment plant is it likely to be?

The project is in the early planning phase and there is no concept design. However, as a modern wastewater treatment plant, Logan South WWTP B is likely to use membrane bioreactor (MBR) technology.

MBRs consist of fine screening, denitrification and nitrification zones, biological and chemical phosphorous removal, which is then followed by membrane treatment and disinfection. MBR technology provides optimal outcomes for residents in relation to quality of the treated water, odour controls, operability, maintenance and costs.

10. What does the plant look like?

Modern wastewater treatment plants are generally unobtrusive structures. While there is no concept design for this plant yet, it may include these components:

- inlet works
- a bioreactor system
- an integrated membrane system
- aerobic sludge digestions and dewatering (centrifuge)
- a chemical dosing unit
- an administration building
• a blower building / switchboard building
• a switchroom
• an electrical substation
• a solar array
• a treated water system such as constructed wetlands or an irrigation area
• a discharge pipeline for treated water
• a buffer between wastewater treatment plant structures and adjacent developments
• potential community facilities around the plant / in the buffer such as walking trails or other recreational facilities.

CONSULTATION PROCESS

11. How will the community be consulted about the project?

Council incorporated community and stakeholder engagement activities at each stage of the selection of a site for Logan South WWTP B (refer to the diagram below). This began with community consultation in 2018 to seek feedback on what Council should consider when selecting a site.

A siting study was then prepared to assess 24 sites, with community feedback used to develop social criteria for comparing sites. Two preferred sites were identified in late 2018. Since this time, Council has sought feedback from property owners about the Logan South WWTP B project and coordinated independent land valuations and technical studies.

Council is holding an information event for community members to ask questions and obtain more information on what this decision means for local people. Event details are below.

Date: Saturday 15 June 2019
Time: 9.00am – 12:00pm (including a short presentation about the project and Q&A session from 9.30am to 10.30am)
Location: Chambers Flat and Logan Reserve Community Centre – 49-65 Kenny Road, Chambers Flat.

At this event, Chambers Flat community members may register their interest in participating in a Community Reference Group which will inform the future development of the Logan South WWTP B.
12. Who is the community’s point of contact?

Community members who would like to provide feedback about the planned wastewater infrastructure are invited to contact Logan Water Infrastructure Alliance’s community engagement team. Contact details are:

Tania Keelan  
Community Engagement Officer  
Logan Water Infrastructure Alliance  
Phone: 07 3412 9609 or 0439 736 313  
Email: tania.keelan@loganwia.com.au

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