

NOTICE OF MEETING

Dear Committee Members

You are requested to attend the following meeting of Council.

WATER AND WASTE STANDING COMMITTEE MEETING OF ISAAC REGIONAL COUNCIL

TO BE HELD ON
WEDNESDAY, 12 MARCH 2025
COMMENCING AT 1.00PM
COUNCIL CHAMBERS - MORANBAH

CALE DENDLE
Chief Executive Officer

SCOTT CASEY
Committee Officer
Director Water and Waste

Committee Members:
Cr Simon West (Chair)
Mayor Kelly Ve'a Ve'a
Cr Vern Russell
Cr Rachel Anderson
Cr Viv Coleman

LOCAL GOVERNMENT ACT 2009

Local Government Regulation 2012

Chapter 8, Part 2 Local Government Meetings and Committees

Division 1A, Requirements for Local Government Meetings Generally

Section 254J Closed meetings

- (1) A local government may resolve that all or part of a meeting of the local government be closed to the public.
- (2) A committee of a local government may resolve that all or part of a meeting of the committee be closed to the public.
- (3) However, a local government or a committee of a local government may make a resolution about a local government meeting under subsection (1) or (2) only if its councillors or members consider it necessary to close the meeting to discuss one or more of the following matters—
 - (a) the appointment, discipline or dismissal of the chief executive officer;
 - (b) industrial matters affecting employees;
 - (c) the local government's budget;
 - (d) rating concessions;
 - (e) legal advice obtained by the local government or legal proceedings involving the local government including, for example, legal proceedings that may be taken by or against the local government;
 - (f) matters that may directly affect the health and safety of an individual or a group of individuals;
 - (g) negotiations relating to a commercial matter involving the local government for which a public discussion would be likely to prejudice the interests of the local government;
 - (h) negotiations relating to the taking of land by the local government under the [Acquisition of Land Act 1967](#);
 - (i) a matter the local government is required to keep confidential under a law of, or formal arrangement with, the Commonwealth or a State.
- (4) However, a local government or a committee of a local government must not resolve that a part of a local government meeting at which a decision mentioned in [section 150ER\(2\)](#), [150ES\(3\)](#) or [150EU\(2\)](#) of the [Act](#) will be considered, discussed, voted on or made be closed.
- (5) A resolution that a local government meeting be closed must—
 - (a) state the matter mentioned in subsection (3) that is to be discussed; and
 - (b) include an overview of what is to be discussed while the meeting is closed.
- (6) A local government or a committee of a local government must not make a resolution (other than a procedural resolution) in a local government meeting, or a part of a local government meeting, that is closed.

Section 254K Participating in meetings by audio link or audio visual link

- (1) A local government may allow a person to take part in a meeting of the local government by audio link or audio visual link.
- (2) A committee of a local government may allow a person to take part in a meeting of the committee by audio link or audio visual link.
- (3) A councillor or committee member who takes part in a local government meeting under subsection (1) or (2) is taken to be present at the meeting if the councillor or member was simultaneously in audio contact with each other person at the meeting.
- (4) In this section—
audio link see the [Evidence Act 1977, section 39C](#).
audio visual link see the [Evidence Act 1977, schedule 3](#).

Conflict of Interest Obligations

Reference is made to Section 150EL of the Local Government Act 2009. Specifically, the obligation of Councillors when they first become aware they have a conflict of interest to make the Chief Executive Officer aware in writing or if in a meeting, ensure they declare immediately.

**WATER AND WASTE
STANDING COMMITTEE MEETING
OF ISAAC REGIONAL COUNCIL
TO BE HELD ON
WEDNESDAY 12 MARCH 2025
COUNCIL CHAMBERS, MORANBAH**

1. OPENING OF THE MEETING
 - 1.1 WELCOME
 - 1.2 ACKNOWLEDGMENT OF TRADITIONAL OWNERS
2. APOLOGIES
3. DECLARATION OF CONFLICTS OF INTEREST
4. CONFIRMATION OF MINUTES
5. OFFICER REPORTS
6. GENERAL BUSINESS
7. CONCLUSION

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1. OPENING OF MEETING

2. APOLOGIES

3. DECLARATION OF CONFLICTS OF INTEREST

4. CONFIRMATION OF MINUTES

Water and Waste Standing Committee Meeting of Isaac Regional Council held in the Council Chambers, Moranbah, commencing at 1:00pm on Wednesday 12 February 2025.

5. OFFICER REPORTS

5.1 WATER AND WASTE 2024-2025 CAPITAL PROJECTS PROGRESS REPORT

EXECUTIVE SUMMARY

This report aims to update the Water and Waste Standing Committee and Council on the delivery of the Water and Waste 2024/25 Capital Works Program.

5.2 WATER AND WASTEWATER PREVENTATIVE MAINTENANCE PROGRAM UPDATE

EXECUTIVE SUMMARY

This report provides an update on the progress of the Water and Wastewater Preventative Maintenance Program. It outlines the number of Preventative Maintenance Program activities that are now completed since the program's inception, key ongoing milestones and challenges for improvement.

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5.3 WATER AND WASTE DEPARTMENTAL REPORT – OPERATIONS AND MAINTENANCE

EXECUTIVE SUMMARY

The purpose of this report is to present an overview of the Operations and Maintenance department within the Water and Waste Directorate of Isaac Regional Council.

5.4 WATER SERVICE AREAS

EXECUTIVE SUMMARY

The purpose of this report is to provide an update on the upcoming review of the Isaac Regional Council (Council) Water Service Areas and propose changes to Council Resolution 507, dated 26 September 2017.

7. GENERAL BUSINESS

8. CONCLUSION

UNCONFIRMED MINUTES

WATER AND WASTE STANDING COMMITTEE MEETING OF
ISAAC REGIONAL COUNCIL

HELD ON
WEDNESDAY, 12 FEBRUARY 2025
COMMENCING AT 1.00PM

ISAAC REGIONAL COUNCIL
UNCONFIRMED MINUTES OF THE
WATER AND WASTE
STANDING COMMITTEE MEETING
HELD IN COUNCIL CHAMBERS, MORANBAH
ON WEDNESDAY 12 FEBRUARY 2025

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ISAAC REGIONAL COUNCIL

UNCONFIRMED MINUTES OF THE

WATER AND WASTE

STANDING COMMITTEE MEETING

HELD IN COUNCIL CHAMBERS, MORANBAH

ON WEDNESDAY 12 FEBRUARY 2025 COMMENCING AT 1.00PM

ATTENDANCE

Cr Simon West (*Chair*)
Cr Rachel Anderson, Division Seven (*Via Video Conference*)
Cr Vern Russell, Division Two
Cr Viv Coleman, Division Eight (*Via Video Conference*)

**COMMITTEE
APOLOGIES**

Mayor Kelly Vea Vea

OBSERVERS

Nil

OFFICERS PRESENT

Mr Scott Casey, Director Water and Waste
Mrs Lisa Tonkin, Manager Business Services
Mr Jason Grandcourt, Manager Waste Services
Mr Amal Meegahawattage, Manager Planning & Projects
Mrs Tricia Hughes, Coordinator Executive Support, Office of the Mayor and Chief Executive Officer
Ms Teika Kirkman, Executive Assistant, Office of the Mayor and Chief Executive Officer
Ms Tait Suridge, Program Leader - Compliance and IMS

1. OPENING

The Chair welcomed all in attendance and declared the meeting open at 1.00pm and acknowledged the traditional custodians of the land on which we meet today and paid her respects to their Elders past, present and emerging.

2. APOLOGIES AND LEAVE OF ABSENCES

A request for a leave of absence has been received for Mayor Kelly Vea Vea as she is in Canberra, attending Australian Mining Cities Alliance Meetings behalf of Council.

Resolution No.: W&W0537

Moved: Cr Vern Russell

Seconded: Cr Viv Coleman

That the Water and Waste Standing Committee grants a leave of absence for Mayor Kelly Vea Vea.

Carried

ATTENDANCE

Mr Stephen Wagner, Manager Operations and Maintenance joined the meeting via video conference at 1.01pm.

3. DECLARATION OF CONFLICTS OF INTEREST

No conflicts of interests declared this meeting.

NOTE:

Council acknowledges that Chapter 5B Councillors' Conflicts of Interest of the Local Government Act 2009 does not apply to a Councillor if the matter to be resolved relates to a corporation or association that arises solely because of a nomination or appointment of the councillor by the local government to be a member of the board of the corporation or association.

4. CONFIRMATION OF MINUTES

Confirmation of minutes from Water and Waste Standing Committee Meeting of Isaac Regional Council held at Council Chambers, Moranbah, commencing at 1.00pm on Wednesday 20 November 2024.

Resolution No.: W&W0538

Moved: Cr Vern Russell

Seconded: Cr Rachel Anderson

That the minutes from the Water and Waste Standing Committee meeting held in Council Chambers, Moranbah, commencing at 1.00pm on Wednesday 20 November 2024 are confirmed.

Carried

5. OFFICERS REPORTS

5.1 Water and Waste Directorate 2024/2025 Capital Projects Progress Report

EXECUTIVE SUMMARY

This report is to provide an update to the Water and Waste Standing Committee and Council on the progress of the delivery of the Water and Waste Directorate 2024/2025 Capital Works Program.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Receives and notes the monthly Water and Waste 2024/2025 Capital Projects Progress Summary Report.**

Resolution No.: W&W0539

Moved: Cr Vern Russell

Seconded: Cr Viv Coleman

That the Committee recommends that Council:

- 1. Receives and notes the monthly Water and Waste 2024/2025 Capital Projects Progress Summary Report.**

Carried

5.2 Water Quality Investigation Action Plan Update

EXECUTIVE SUMMARY

The purpose of this report is to update Council on the Water Quality Reliability Investigation Action Plan Deliverables following the 2021/22 Christmas Period water quality incidents.

Resolution No.: W&W0540

Moved: Cr Rachel Anderson

Seconded: Cr Vern Russell

That the Committee recommends that Council:

1. Receives and notes the Report for the Water Quality Investigation Action Plan Deliverables.

Carried

5.3 Water and Waste Monthly Departmental Report – Compliance

EXECUTIVE SUMMARY

The purpose of this report is to provide an overview and status update on the Water and Waste Directorate's recurring and reactive regulatory compliance related activities.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. *Receives and notes this report outlining the compliance related activities in the Water and Waste Directorate.*

Resolution No.: W&W0541

Moved: Cr Vern Russell

Seconded: Cr Rachel Anderson

That the Committee recommends that Council:

1. Receives and notes this report outlining the compliance related activities in the Water and Waste Directorate.

Carried

5.4 Planning and Projects Department Overview

EXECUTIVE SUMMARY

The purpose of this report is to present an overview of the Planning and Projects Department within the Water and Waste Directorate of Isaac Regional Council.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. *Note the content of this report regarding an overview of the Planning and Projects Department within the Water and Waste Directorate of Isaac Regional Council.*

2. *Receives and notes the Planning and Projects Department presentation.*

Resolution No.: W&W0542

Moved: Cr Vern Russell

Seconded: Cr Viv Coleman

That the Committee Recommends that Council:

1. Note the content of this report regarding an overview of the Planning and Projects Department within the Water and Waste Directorate of Isaac Regional Council.
2. Receives and notes the Planning and Projects Department presentation.

Carried

ATTENDANCE

Ms Tricia Hughes left the meeting room at 1.48pm

6. GENERAL BUSINESS

No general business this meeting.

7. CONCLUSION

There being no further business, the Chair declared the meeting closed at 1.50pm.

These minutes will be confirmed by the Committee at the Water and Waste Standing Committee Meeting to be held on Wednesday 12 March 2025 in Moranbah.

.....
CHAIR

..... / /
DATE

MEETING DETAILS	Water and Waste Standing Committee Meeting Wednesday 12 March 2025
AUTHOR	Amal Meegahawattage
AUTHOR POSITION	Manager Planning and Projects

5.1 WATER AND WASTE 2024-25 CAPITAL PROJECTS PROGRESS REPORT

EXECUTIVE SUMMARY

This report aims to update the Water and Waste Standing Committee and Council on the delivery of the Water and Waste 2024/25 Capital Works Program.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Receives and notes the monthly Water and Waste 2024/25 Capital Projects Progress Summary Report.**

BACKGROUND

Regular updates on the financial and physical status of projects within the 2024/25 Water and Waste Capital Works program are crucial to keep Council informed about the program's progress and associated risks.

IMPLICATIONS

The attached Water and Waste 2024/25 Capital Projects Progress Summary provides an overview of the financial and physical status of all projects, with red indicating a projected cost overrun of over 10% or completion after June 2025, yellow indicating a cost overrun of 0-10%, and green indicating no issues. Brief commentary is provided to explain the status of each project. Larger and more complex projects are sometimes delivered over multiple financial years and the exact expenditure in each year may deviate from the annual budget due to variations in the delivery schedule. This can affect expenditure in each year without exceeding the total budgeted amount for the project.

COMPLIANCE

Compliance with the Water and Waste 2024/25 Capital Works Program is essential to meet the identified timeframes of the 2024/25 financial year.

KEY CAPITAL PROJECTS

1. CW222983 – Moranbah Water Treatment Plant Roof Replacement

This project involves replacing the roof of the 5.7ML water reservoir to protect and extend its lifespan. Construction began in March 2023, with significant progress made on the structural components. Roof sheeting is 90% complete, with minor finishing works remaining. The interior of the tank has been cleaned, with floor sealing and wall epoxy coating scheduled for early March. The Planning and Projects team is

maintaining close communication with the contractor to mitigate risks and delays, with completion targeted for March 2025.

2. CW233141 – Nebo Water Network Augmentation

This project enhances Nebo's water supply infrastructure by installing a new water main to improve reliability and capacity, particularly at the truck-fill point. Practical completion was achieved in August 2024, and the project is now fully complete. Savings of approximately \$225,000 have been identified, reallocated to other capital projects requiring additional funding, with the remainder transferred to reserves as part of the Q2 Budget adjustments.

3. CW233155 – Clermont Water Treatment Plant Modernisation

This upgrade ensures compliance with the Drinking Water Quality Management Plan. The turbidity analyser system was upgraded in September 2024, with new EPA 180.1-compliant analysers installed and calibrated. A control panel upgrade has also been completed.

The chemical dosing upgrade was delayed ensuring integration with the analyser and control panel upgrades. Now that these upgrades are complete, the chemical dosing upgrade is under tender evaluation as a Design and Construct (D&C) contract. The project is forecast for completion in September 2025 and will carry over to the next financial year, with \$500,000 allocated to 2025/26 to facilitate final project delivery. The funding agreement deadline has been approved by the funding agency.

4. CW233151 – St Lawrence Raw Water Storage and Raw Water Main

This project aims to enhance water storage capacity and improve distribution efficiency for the St Lawrence community. The raw water main was installed and successfully commissioned in November 2023. Construction of the new water storage facility is complete, but a burst water main under the Bruce Highway on 19 January 2025 delayed commissioning. The issue was resolved within days.

Commissioning and Practical Completion were issued on 31 January 2025, pending the rectification of minor defects. These defects are currently being addressed to be followed by final inspections.

5. CW243181 – Moranbah Sewer Pump Station Upgrades

This project enhances the capacity and operational efficiency of the Moranbah Sewer Pump Station. Following the contract award in July 2024, potholing works were completed, and materials ordered. The contractor mobilised on-site in late September. Non-return valves have been ordered and are scheduled for installation by mid to late March 2025.

6. CW243205 – Moranbah Rectification of Landfill Cell

Efforts to rectify and stabilise the Moranbah landfill cell are ongoing, ensuring compliance with environmental regulations. A geotechnical specialist conducted workshops in January 2025 to analyse options and identify preferred solutions. Following consultation with Waste Management and Governance, the Planning & Projects team is finalising the geotechnical specialist's engagement and progressing the project as a Design & Construct (D&C) contract, scheduled for market release in March 2025.

During the Q2 budget adjustments, \$3.5M was carried forward to 2025/26, anticipating a revised expenditure timeline aligned with consultant recommendations. The Directorate is actively working to expedite procurement, award the contract, and deliver the project within the proposed timeline.

7. CW243239/CW243240 – Carmila and Greenhill Landfill Capping

This project ensures regulatory compliance for landfill capping at the Carmila and Greenhill sites. Design work is progressing, with Aurecon having submitted a draft report.

A pre-lodgement meeting with the Department of Environment, Science, and Innovation (DESI) in November 2024 confirmed that DESI supports Isaac Regional Council's proposal to manage risks through localised remediation and preventative controls rather than increasing the capping depth from 300mm to 500mm.

A cost estimate has been prepared by the designer. Additional funding was allocated from reserves during the Q2 budget adjustment to cover costs for design studies and geotechnical testing, ensuring completion of design and contract documentation by the end of the current financial year.

8. CW253266 – Dysart Waste Management Facility Repurpose to Transfer Station

This project converts the Dysart landfill into a transfer station. The initial Design & Construct (D&C) tender received one compliant bid, which exceeded the budget. A revised bid also exceeded available funding.

After reviewing the project with Waste Services, it was decided to complete the design component in FY 2024/25 and defer construction to FY 2025/26. The Design RFQ was sent to market on 9 January 2025, and \$525K was carried forward to the next financial year in the Q2 budget adjustment. Currently, there are no identified risks related to the design component of the project.

9. CW253273 & CW253274 – Carmila and St Lawrence Water Treatment Plant Upgrades

This project enhances SCADA systems, chemical dosing, and monitoring infrastructure at both plants.

Planning commenced in July 2024, with initial site investigations complete. The Operations Team is finalising the Project Requirements document, which is necessary before procurement. The Planning and Projects team intends to combine the St Lawrence and Carmila upgrades into a single D&C contract with separable portions for efficiency.

Given the anticipated construction timeline (Q1–Q3 2025/26), Q2 budget adjustments carried forward most funds to align with the revised schedule.

10. CW253275 – CORP Sewer Relining 2025

This project involves CCTV inspections and relining prioritised sections of the sewer network.

The contract was awarded in January 2025, and CCTV inspections are set to commence in mid-March. The Operations team will take 2–3 months to review footage and determine the sections requiring relining. Construction will extend into 2025/26, with \$600K anticipated to be carried forward. The contract spans three years, with ongoing risk monitoring to ensure the project remains within budget.

11. CW253282 – CORP Water Network Water Meters

This project replaces outdated water meters to improve accuracy in consumption measurement and billing.

So far, 57 of 450 meters have been replaced. Work will resume in mid-March 2025 following meter reading completion. Meter procurement is progressing.

12. CW253287 – Glenden Water Treatment Plant Turbidity Analyser on Filters

The installation of turbidity analysers on the filters at the Glenden Water Treatment Plant will enhance water quality monitoring and regulatory compliance.

The contract was awarded in February 2025, and material procurement has commenced.

13. CW253290 – Middlemount Water Network Augmentation

This project installs a new water main in the Middlemount network. A drainage project on Nolan Drive has been included as a separable portion within the same contract. The contract has been awarded, and the project is in the material procurement stage.

14. CW253291 – Nebo Water Network Avdata

An Avdata system has been installed at the Nebo truck-fill point to record water usage by commercial customers. Construction and commissioning were completed in February 2025.

15. CW253283 – CORP Switchboards

This project replaces aged switchboards to reduce service failure risks and ensure regulatory compliance. The contract has been awarded, and pre-commencement planning is complete. Work is set to begin by mid-March 2025.

PROGRESS PHOTOS



Image 1: Nebo Truck Fill Point – During Construction



Image 2: Nebo Truck Fill Point –Construction Completed and Commissioned



Image 3: Moranbah Water Treatment Plant Roof Replacement – Nearing Completion

BENEFITS

Council can see a monthly progress report detailing the progress of projects in the Water and Waste 2024/25 Capital Program. This report communicates risks, failures and delays that have been identified within the Water and Waste 2024/25 Capital Works program.

CONSULTATION

- Director Water and Waste
- Manager Operations and Maintenance
- Manager Waste Services
- Planning and Projects Capital Works Project Managers

BASIS FOR RECOMMENDATION

To provide Council with a clear monitoring tool to track capital works delivery for the Water and Waste Directorate by providing transparent and relevant reporting. This report will help identify and communicate any project delays, overspends and project risks.

ACTION ACCOUNTABILITY

The Managers and the Director of Water and Waste oversee the scoping, procurement, and completion of the projects identified within the 2024/25 Capital Projects Progress Summary spreadsheet. Furthermore, the appropriate Managers and the Director Water and Waste are held accountable for the delivery of the project stages which are completed within the identified timeframes.

KEY MESSAGES

That Council has open communication, oversight, and transparency of the Water and Waste 2024/25 Capital Works Program, to ensure Isaac will have effective and sustainable water and waste infrastructure that supports the needs of the region's communities and economic sectors.

<p>Report prepared by:</p>	<p>Report authorised by:</p>
<p>AMAL MEEGAHAWATTAGE</p>	<p>SCOTT CASEY</p>
<p>Manager Planning and Projects</p>	<p>Director Water and Waste</p>
<p>Date: 3 March 2025</p>	<p>Date: 4 March 2025</p>

ATTACHMENTS

- CONFIDENTIAL Attachment 1 – WW Capital Projects Progress Summary Spreadsheet March 25

REFERENCE DOCUMENT

- Nil

PAGES 21 TO 23 HAVE INTENTIONALLY BEEN REMOVED DUE TO CONFIDENTIAL REASONS

MEETING DETAILS	Water and Waste Standing Committee Meeting Wednesday 12 March 2025
AUTHOR	Seungchan Bang
AUTHOR POSITION	Maintenance Planner Water and Waste

5.2 WATER AND WASTEWATER PREVENTATIVE MAINTENANCE PROGRAM UPDATE

EXECUTIVE SUMMARY

This report provides an update on the progress of the Water and Wastewater Preventative Maintenance Program. It outlines the number of Preventative Maintenance Program activities that are now completed since the program's inception, key ongoing milestones and challenges for improvement.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. Notes the contents of the Water and Wastewater Preventative Maintenance Program Update.

BACKGROUND

The Water and Wastewater Preventative Maintenance Program (PMP) was established in August 2022 to transition from reactive maintenance to a structured, proactive approach. Originally consisting of 31 identified programs, subsequent refinement and integration resulted in 30 distinct maintenance programs. Whilst reactive maintenance remains in high demand for immediate attention, a planned PMP is critical to reducing emergency repairs and ensuring the long-term sustainability of water and wastewater infrastructure. This report details the program's progress and its integration with asset management, capital planning and the budgeting process.

ACHIEVEMENTS

- The following 25 PMP activities have been successfully established to date.
- 17 Air Compressor and 15 Blower Bi-Annual Service
- 34 Generator Bi-annual Service (Whole of Council Contract)
- 30 Overhead Crane and Lifting Beam Annual Service
- 100 Sewage Pump Station and Raw Water Pump Station Pump Annual Service
- 50 Sewage Pump Station and Treatment Plant Well Cleaning Annual Service
- 84 Water Treatment Plant (WTP) and Wastewater Treatment Plant (WWTP) Process Equipment Bi-Annual Maintenance
- WTP and WWTP Filter and Resin Inspection and Testing (two plants in a year)
- 6 Wastewater Treatment Plant Inlet Screen Annual Service

-
- 229 WTP and WWTP Lift, Dosing and Pressure Pump Annual Service
 - Water Network Scouring (one town in a year)
 - 1 Moranbah WWTP Belt Filter Press Annual Service
 - 173 Safety Equipment Bi-Annual Service
 - 9 Chlorination System Bi-Annual Service
 - 25 Weigh Scale and Benchtop Lab Scale Annual Service
 - 32 Sewage Pump Station RCD Testing
 - WTP and WWTP Test and Tag
 - 6 UV Disinfection System Bi-annual Service
 - 98 Water and Wastewater Treatment Plant Online Analyser Annual Service
 - 23 Pressure Vessel Annual Service and Certification
 - Polishing Plant Inspection and Condition Assessment (Moranbah/Dysart/Middlemount)
 - 61 Lab Benchtop Analyser Annual Service
 - 110 WTP and WWTP Flow Meter Annual Verification Testing
 - Water Reservoir and Tower Inspection and Condition Assessment (one town in a year)
 - 19 WTP and WWTP Electric Gate and Roller Door Annual Service
 - 14 WTP and WWTP Pest Control Bi-Annual Service

Key ongoing milestones in PMP include:

- Service Report Review and Equipment Improvement

Upon completion of each PMP, a mandatory service report is supplied by the contractor including details of scope completion, condition assessment results and improvement recommendations. The Operations and Maintenance Team evaluates the service report to identify potential issues and review the recommendations. Interventions arising from the service reports and condition assessments fall into three categories:

- Repair: Funded from the operational budget
 - Replacement: Funded from the capital budget
 - Deferral: Dependent on the condition's severity and long-term planning
- Improve process reliability

PMP No.5: Sewage Pump Station and Treatment Plant Well Cleaning Annual Service has been conducted for the past two years. This service includes documenting the total waste materials extracted from sewage pump stations. The Figure 1 presents the quantity of waste materials removed from pump stations, highlighting challenges in sewer transfer due to significant material accumulation in the primary pump stations (No.1) in each town. Removal of the waste material via the preventive maintenance activities reduces the risk of asset failure and sewer overflows.

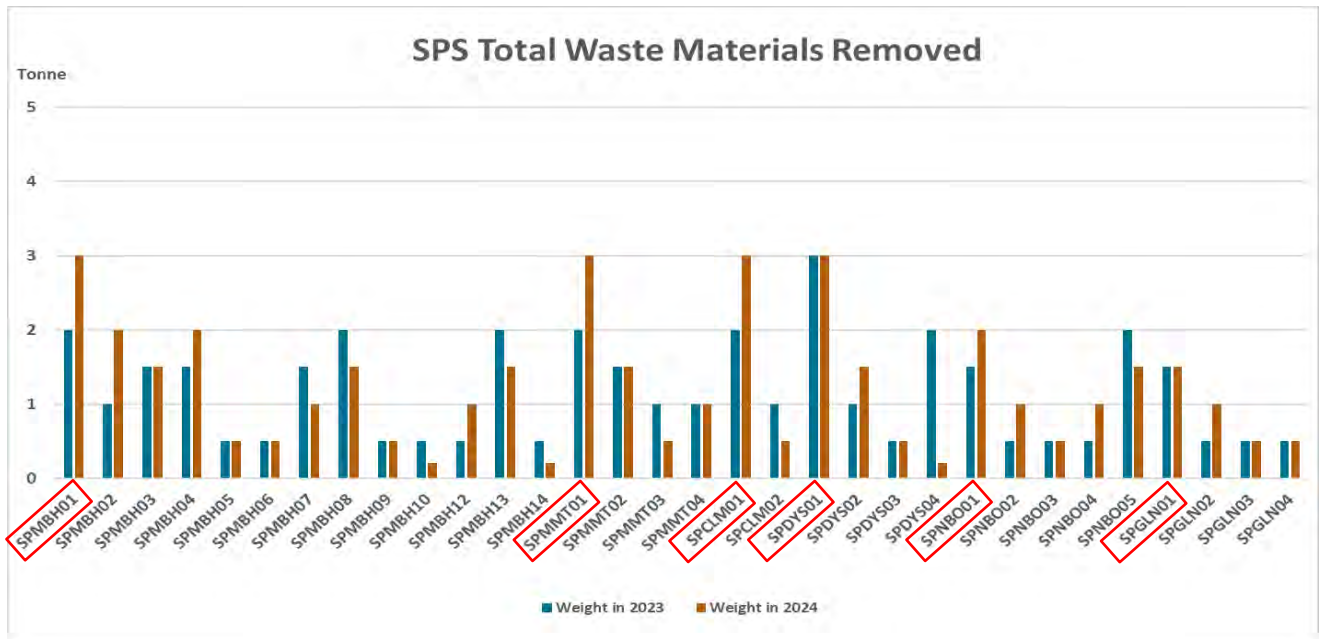


Figure 1 SPS total waste material removed

Attachment - appendix 2: Sewer Network Layout illustrates the critical role of No.1 pump stations in each town. Based on the collected data, the service frequency for No.1 pump stations in each town will be increased to a bi-annual schedule to further enhance process reliability.

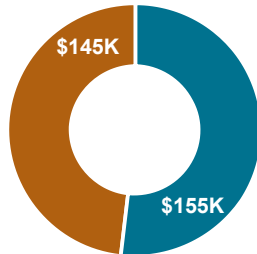
- Operational Asset Registry (OAR) Update

OAR data in the system is not completely up to date. The PMP continues to identify and document critical asset information including make, model, serial number and current condition. This data is transferred to the asset team for register updates, ensuring accurate asset records and improvements to data-driven decision-making.

- Budget process

The approved FY 2024-25 budget of \$1.2 million accelerates the ongoing execution of 25 PMP activities. The PMP budget covers periodic maintenance and facilitates proactive repairs such as generator ATS (Automatic Transfer Switch) replacement and chlorination system repairs, reducing the risk of major equipment failures. Emergent and/or Programmed Renewals Capital Budget is utilised when maintenance activities are insufficient to bring an asset up to the expected standard or the asset meets a depreciation threshold. This structured financial approach supports the development of the FY 2025-26 operational and capital budgets as well as long-term capital planning and equipment renewals (Figure 2).

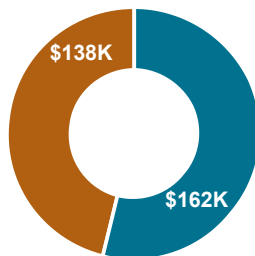
WTP - Equipment Renewals



■ Reactive ■ Planned

Township	Description (Planned)	Estimate
Nebo	Renewal of treated water tank	\$15,000
Glenden	Renewal of raw water pump	\$20,000
Dysart	Renewal of lifting beams	\$30,000
Dysart	Irrigation Pump Replacement	\$10,000
Dysart	Renewal of raw water tank	\$10,000
Clermont	Sludge Lagoon Pump Replacement	\$30,000
Clermont	Highlift Pump Replacement	\$40,000

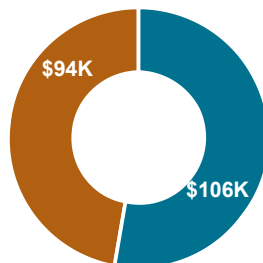
WWTP - Equipment Renewals



■ Reactive ■ Planned

Township	Description (Planned)	Estimate
Moranbah	Polishing Plant UV Replacement	\$20,000
Moranbah	Polishing Plant filter system Replacement	\$50,000
Middlemount	Contact Tank Chlorine Analyser Replacement	\$12,000
Middlemount	Oxidation Ditch DO Analyser Replacement	\$20,000
Dysart	Contact Tank Chlorine Analyser Replacement	\$30,000
Clermont	Contact Tank Chlorine Analyser Replacement	\$30,000

SPS - Equipment Renewals



■ Reactive ■ Planned

Township	Description (Planned)	Estimate
Nebo	SPS No.2 Pump 1 and 2 Replacement	\$18,000
Nebo	SPS No.5 Pump 1 and 2 Replacement	\$18,000
Moranbah	SPS No.8 Pump 2 Replacement	\$10,000
Moranbah	SPS No.10 Pump 2 Replacement	\$10,000
Moranbah	SPS No.12 Pump 1 Replacement	\$10,000
Middlemount	SPS No.2 Pump 1 Replacement	\$10,000
Glenden	SPS No.2 Pump 2 Replacement	\$10,000
Dysart	SPS No.4 Pump 1 and 2 Replacement	\$20,000

Figure 2 FY 2025-26 equipment renewal budget estimate

Maintenance Team Capability

The maintenance team has onboarded a maintenance fitter who is responsible for day-to-day mechanical maintenance and one of PMP activities: WTP and WWTP Process Equipment Maintenance. Initially tendered externally, the tendered price was 25% higher than the allocated budget. After two months of preparation, this activity becomes the first internal maintenance program run by the Water and Wastewater maintenance team. All records and findings are documented in the corporate system, Lucidity, using the newly developed maintenance check sheet (Attachment - appendix 3).



Figure 3 Process equipment maintenance activity

This is a success story to increasing internal capability and direct knowledge of equipment instead of relying on external contractors who require higher costs and longer lead times. Future plans include onboarding an additional electrician to enable in-house execution of RCD Testing at WTPs, WWTPs, Sewerage Pump Station (SPS), and test and tag inspections and general electrical repairs/improvements, further increasing workforce capability and asset reliability.

Challenges and areas for improvement

- Despite significant progress, the following areas require further attention to ensure program success:
- Deferred maintenance priorities due to urgent breakdowns demand immediate attention
- Delayed PMP initiatives due to insufficient resources in the market
- Existing expired PMP contracts, requiring a re-tendering process

Projection

The PMP signifies a shift from the run-to-failure (RFT) and reactive maintenance model to proactive condition assessments and preventative maintenance. The Water and Wastewater team endeavours to achieve positive outcomes from the Council's investment in this program. Proactive maintenance, encompassing thorough inspections and timely repairs, is expected to enhance operational efficiency, reduce equipment failures, and ensure uninterrupted operations for the provision of drinking water, wastewater treatment, recycled water production, and the conveyance of all water and wastewater products.

Figure 4 illustrates the trend of the number of reactive maintenance across three PMPs over five years. Ongoing supports for PMP has led to positive outcomes, including reduction in reactive maintenance and improved consistency in equipment management by the awarded service provider.

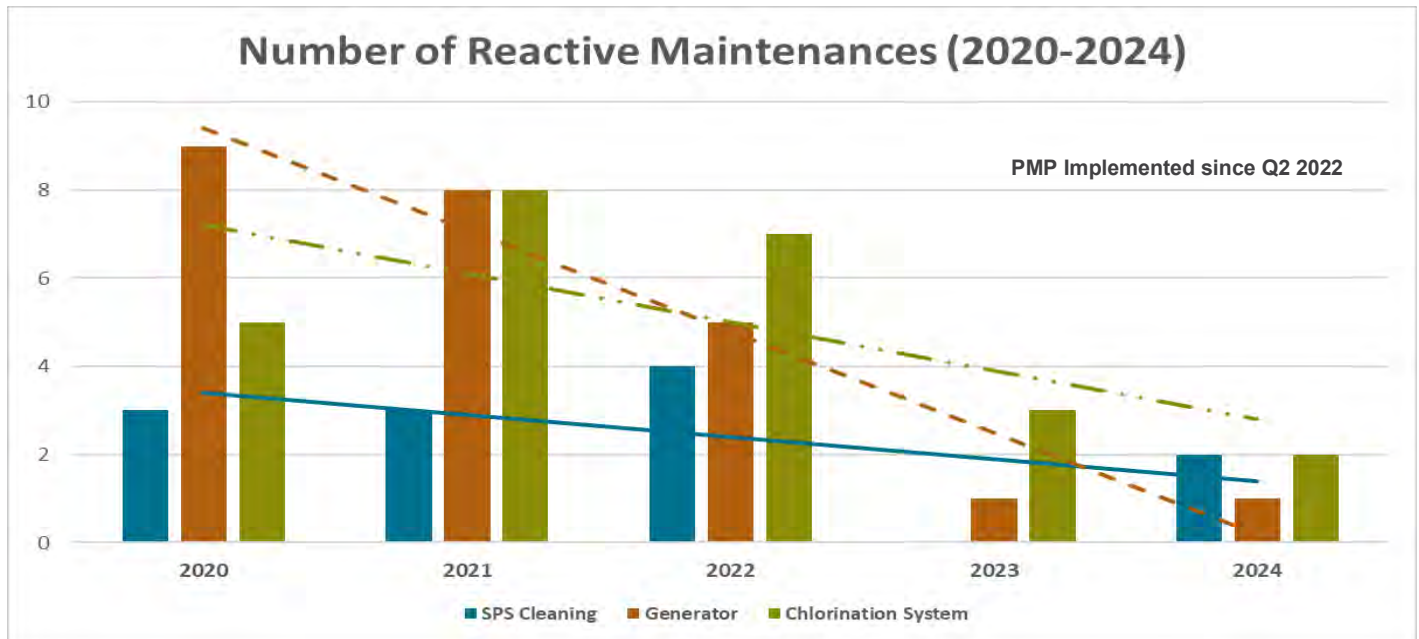


Figure 4 Trend of the number of reactive maintenances for three PMPs over five years

IMPLICATIONS

The data collected from asset condition assessments through the PMP will be instrumental in guiding future investment decisions. Over time, the PMP is expected to minimise asset failure, unplanned service interruptions and reactive maintenance expenses.

CONSULTATION

- Water and Wastewater Team
- Maintenance Planner – Water and Waste
- Treatment Plant Supervisor – North
- Treatment Plant Supervisor – South
- Project Managers Planning and Projects
- Coordinator Water and Wastewater
- Manager Planning and Projects
- Manager Operations and Maintenance
- Director Water and Waste

BASIS FOR RECOMMENDATION

The recommendation is to note the progress of the Water and Wastewater preventative maintenance program.

ACTION ACCOUNTABILITY

The Manager Operations and Maintenance will be responsible for ensuring the continued inclusion of preventative maintenance programs in the operational budget and supporting their successful execution.

KEY MESSAGES

Implementation of the Water and Wastewater preventative maintenance program strengthens the reliability of the water and wastewater services, ensuring the efficient and uninterrupted delivery of essential community services.

Report prepared by:	Report authorised by:
SEUNGCHAN BANG	SCOTT CASEY
Water and Waste Maintenance Planner	Director Water and Waste
Date: 25 February 2025	Date: 3 March 2025

ATTACHMENTS

- Attachment 1 - Water and Wastewater Preventative Maintenance Program - Appendices

REFERENCE DOCUMENT

- Nil

WATER AND WASTEWATER PREVENTATIVE MAINTENANCE PROGRAM UPDATE - APPENDICES

Current as at 25.02.2025

Presented by **Maintenance Planner Water and Waste**



TABLE OF CONTENTS

Appendices

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APPENDICES

- Appendix 1 – Preventative Maintenance Program (PMP) Schedule March 2025 presents the latest PMP achievements and upcoming plans, ensuring maintenance activities align with contract requirement.
- Appendix 2 – Sewer Network Layout highlights the critical role of SPS No.1 in each township. The network data, combined with PMP insights, supports decision-making to enhance process.
- Appendix 3 – Example of Process Equipment Maintenance Checksheet is used to record equipment data and condition assessment results. The recorded information helps prioritise the budget allocation and proactive maintenance efforts.

Water and Waste Preventative Maintenance Program

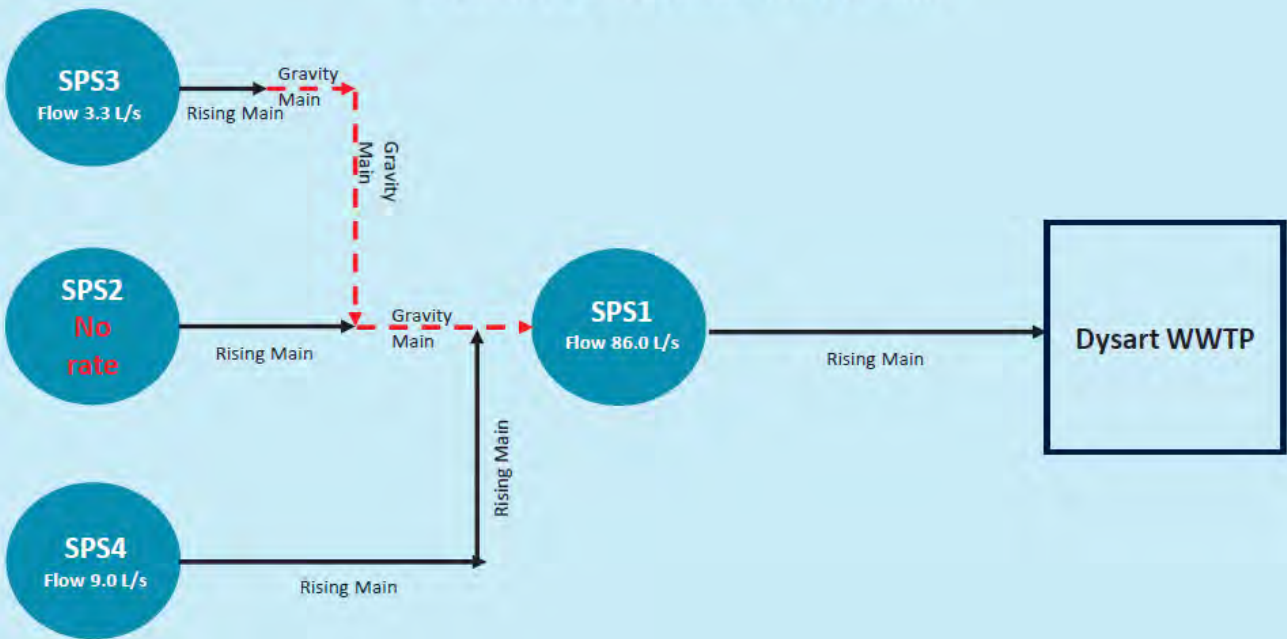
Task No.	Program Title	2024												2025											
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec								
1	Water and Wastewater Air Compressor and Blower Maintenance																								
2	Integrated Generator Maintenance																								
3	Overhead Cranes and Lifting Beams																								
4	Sewage Pump Station and Raw Water Pump Station Maintenance Program																								
5	Sewage Pump Station and Treatment Plant Well Cleaning																								
6	WTP and WWTP Process Equipment Maintenance																								
7	WTP and WWTP Filter and Resin Inspection and Testing																								
8	Sewage Treatment Plant Inlet Screen Maintenance																								
9	WTP and WWTP Pump Maintenance																								
10	Water Network Scouring																								
11	Belt Filter Press Inspection and Maintenance																								
12	WTP and WWTP BA and Safety Equipment Inspection and Maintenance																								
13	WTP and WWTP DP and Level Sensor Calibration																								
14	WTP and WWTP Chlorination System Maintenance																								
15	Weigh Scale Inspection and Maintenance																								
16	Sewage Pump Station RCD Testing																								
17	WTP and WWTP Test and Tag																								
18	UV Disinfection System Maintenance																								
19	Water and Wastewater Treatment Plants Online Analysers Maintenance																								
20	Pressure Vessell Inspections and certification																								
21	WTP and WWTP Actuator Calibration																								
22	Sewage Pump Station Electrical Switchboard Thermal Testing																								
23	Polishing Plant Inspection and Condition Assessment																								
24	Town Water Sluice Valve Exercise Program and Hydrant Cleaning																								
25	Bench Top Analyser Calibration																								
26	WTP and WWTP Air Conditioning Inspection and Maintenance																								
27	Flowmeter Maintenance																								
28	Water Reservoir and Tower Inspection and Condition Assessment																								
29	WTP and WWTP Electric Gate and Door Maintenance																								
30	Treatment Plant Pest Control																								

Preventative Maintenance Program Schedule March 2025

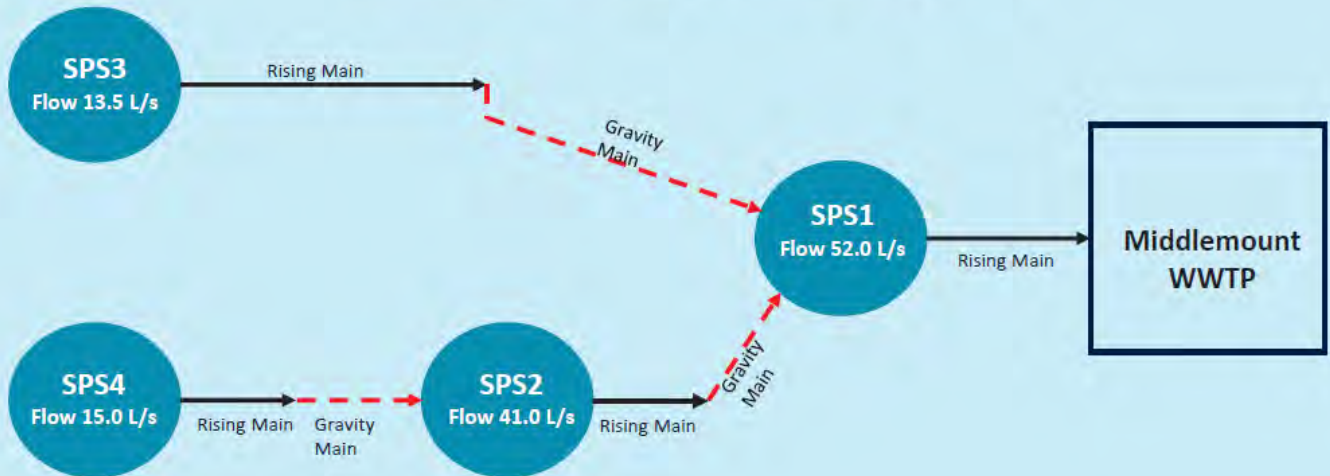
CLERMONT SEWERAGE NETWORK



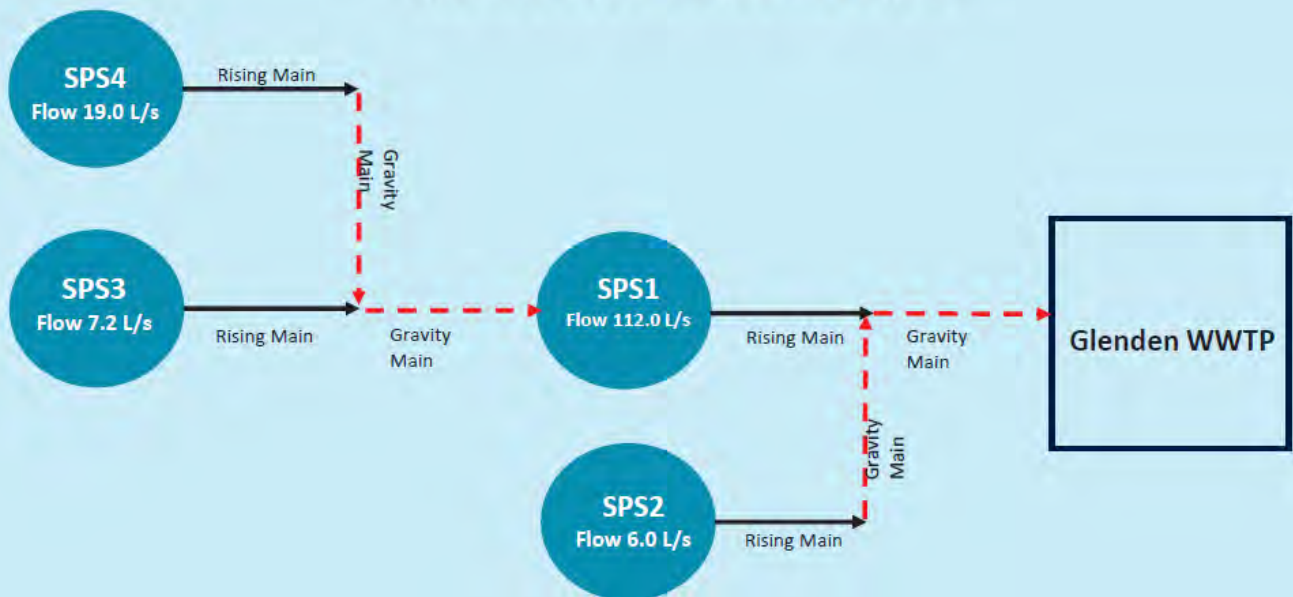
DYSART SEWERAGE NETWORK



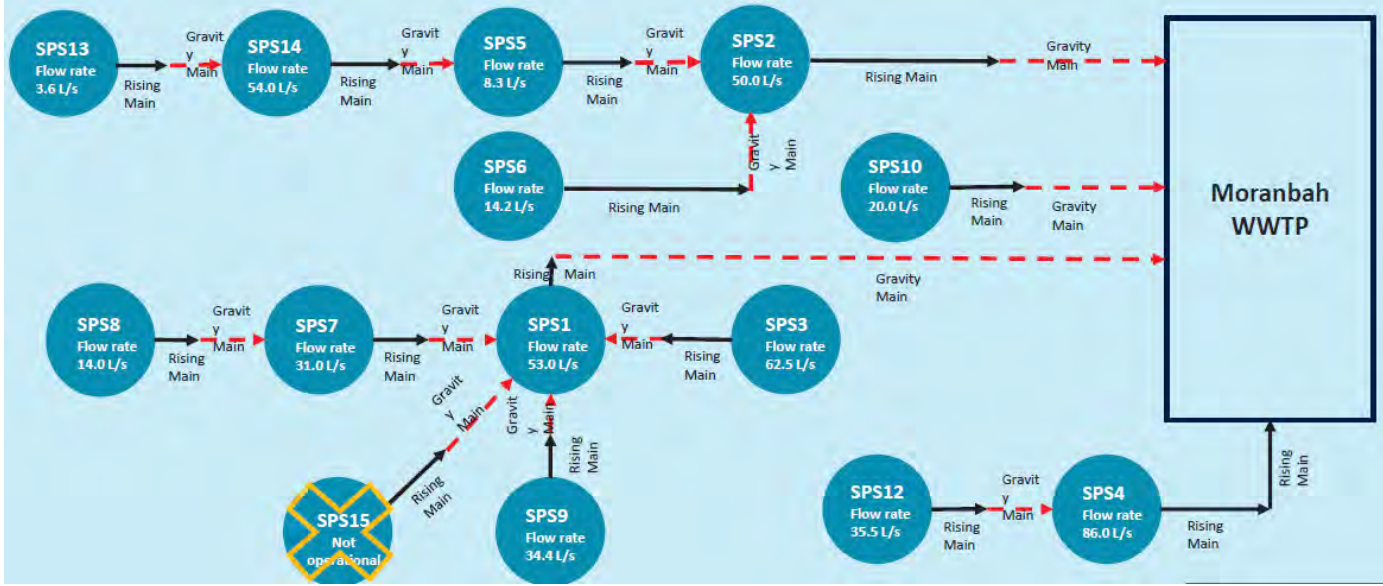
MIDDLEMOUNT SEWERAGE NETWORK



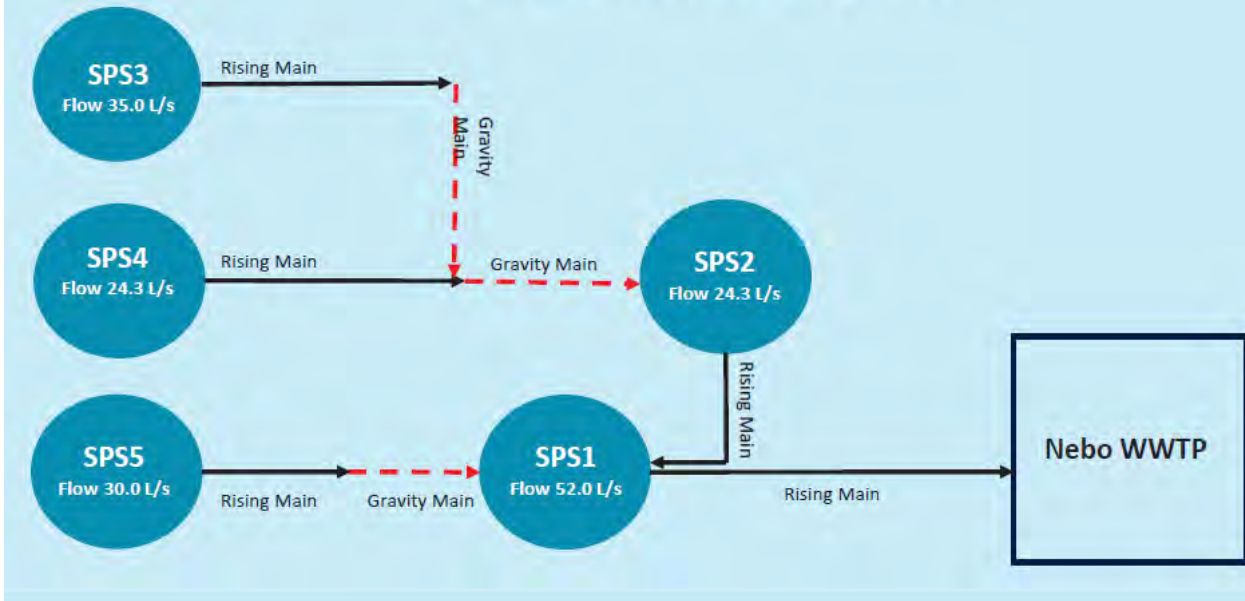
GLENDEN SEWERAGE NETWORK



MORANBAH SEWERAGE NETWORK



NEBO SEWERAGE NETWORK



Sewer Network Layout

Maintenance Checksheet - Water & Waste



Details

Form id 67411
 Created at 03/02/2025 by Anthony Cole
 Completed at 03/02/2025
 Last modified 03/02/2025 08:57:45 by Anthony Cole
 Status Complete
 Respondent Anthony Cole
 Directorate Water & Waste
 Department Water and Waste Water
 Location MORANBAH
 Project
 Company Isaac Regional Council

TECHNICIAN AND SITE DETAILS

Technician Name Anthony Cole
 Position Maintenance Fitter (W&W)
 Township Equipment is located Middlemount
 Site where equipment is located Water Treatment Plant

RISK MANAGEMENT

Has an Isaac Instant been completed? Yes
 Have all controls been implemented? Yes
 Proceed with the maintenance

EQUIPMENT DETAILS

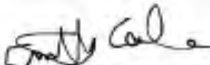
Asset No. (if known) Middlemount water treatment plant Clarifier # 1 main Gear Box
 Type of Equipment Gearbox
 Technical Information

Name	Tag ID	Make	Model	Serial No	Ratio	Capacity	Phase	Additional Details
Clarifier # 1 Main Drive Gear box	Sew-Eurodrive	Sew-Eurodrive	FF107 AR145 R77 DR63S4/TH/C	20.0121468102.0002.13				

Condition
 add n/a if not an increment is not applicable

Shaft	Seal	Bearing	Drive System	Tension	Alignment	Noise	Vibration	Oil	Grease	Additional Details
OK Can not see below water level	OK	OK	OK	OK	OK	OK	OK	Replaced	N/A	See Notes

Maintenance Checksheet - Water & Waste

Lubricant	<input checked="" type="checkbox"/> Oil
Type of Oil	ISO VG 680
Was the Oil refilled, replaced or inspected?	Replaced
Volume of oil replaced	Approx 35 litres
Condition Assessment Rating 1-5 <i>1 Being very good, 5 being very poor</i>	3
Comments	<p>Possible water in oil. Oil appeared slightly milky Electric motor telltale showing bearing wear. Water may be entering through here. Fill plug U/S had to be drilled out. Fitted modified one to side and fitted side one to top. New one ordered to be fitted when it arrives. All else appears ok at time of inspection. Next service oil change 3 years.</p>
Signature	

Example of Process Equipment Maintenance Checksheet

MEETING DETAILS

Water and Waste Standing Committee Meeting

Wednesday 12 March 2025

AUTHOR

Stephen Wagner

AUTHOR POSITION

Manager Operations and Maintenance

5.3 WATER AND WASTE DEPARTMENTAL REPORT – OPERATIONS AND MAINTENANCE

EXECUTIVE SUMMARY

The purpose of this report is to present an overview of the Operations and Maintenance department within the Water and Waste Directorate of Isaac Regional Council.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Receives and notes the contents of this report regarding an overview of the Operations and Maintenance department within the Water and Waste Directorate of Isaac Regional Council.***

BACKGROUND

The Operations and Maintenance department is responsible for:

- Providing effective, sustainable, high-quality and continuous supply of water, wastewater and recycled water products and services.
- Ensuring that potable water meets the requirements of the Isaac Regional Council (IRC) Drinking Water Quality Management Plan (DWQMP), Australian Drinking Water Guidelines (ADWG) and environmental compliance requirements.
- Ensuring effective collection, transport, storage and treatment of wastewater, meeting all relevant environmental authority conditions
- Supplying recycled water which meets customer expectations and compliance standards

IMPLICATIONS

The attached document is available to provide Council visibility into the operational aspects of the Operations and Maintenance Department.

CONSULTATION

- Director Water and Waste
- Operational Supervisors

BASIS FOR RECOMMENDATION

The recommendation is to receive and note the content of this report which provides an accurate overview and status update of the Operations and Maintenance Department's operations.

ACTION ACCOUNTABILITY

The Manager Operations and Maintenance is responsible for the strategic direction and operational deliverables of the Operations and Maintenance Department, including reporting on delivery of its Business Plan and approved operational projects.

KEY MESSAGES

The Manager of Operations and Maintenance will provide information on a regular basis to keep Council well informed of the performance and developing initiatives within the departments area of operations.

Report prepared by:	Report authorised by:
STEPHEN WAGNER	SCOTT CASEY
Manager Operations and Maintenance	Director Water and Waste
Date: 28 February 2025	Date: 4 March 2025

ATTACHMENTS

- Attachment 1 – Operations and Maintenance Departmental Report – March 2025

REFERENCE DOCUMENT

Nil

OPERATIONS AND MAINTENANCE DEPARTMENTAL REPORT MARCH 2025

Current as at 28.02.2025

Presented by **Manager Operations and Maintenance**



EXECUTIVE SUMMARY

This report provides an overview of the Operations and Maintenance Department's objectives, key functions and a quarterly update of the activities of the Operations and Maintenance department.

PRIMARY OBJECTIVES AND KEY FUNCTIONS

The Operations and Maintenance Department is responsible for the following primary objectives and functions:

- Providing effective, sustainable, high-quality, and continuous supply of water, wastewater and recycled water products and services.
- Providing potable water that meets the requirements of the Isaac Regional Council (IRC) Drinking Water Quality Plan (DWQMP), Australian Drinking Water Guidelines (ADWG) and environmental compliance requirements.
- Ensuring effective collection, transportation, storage, and treatment of wastewater meeting all relevant Environmental Authority (EA) conditions.
- Supplying recycled water which meets customer expectations and compliance standards.
- Meeting the requirements for dam safety for water storages.

FUNCTIONS AND SERVICES

The Operations and Maintenance team delivers a range of services:

OUTPUT	FREQUENCY	INTERNAL/EXTERNAL
Provide effective, sustainable, high-quality, and continuous water and wastewater products and services.	Daily	Internal
Meet the requirements of the Isaac Regional Council Drinking Water Quality Management Plan, Australian Drinking Water Guidelines, and environmental compliance.	Daily	Internal
Effective collection, transport and treatment of wastewater meeting all relevant environmental authority conditions.	Daily	Internal
Supply of recycled water which meets customer expectations and compliance standards.	Daily	Internal
Audit sites for improvement practices and operational techniques which can be introduced by the operational team to achieve best practice.	Quarterly	Internal
Auditing of recycled water sites for improvement practices and operational techniques that can be introduced to meet objectives and achieve best practice	Annually	Internal / external

Development, maintenance and coordination of various management plans and policies	Daily	Internal
Coordinate and manage recycled water including end user compliance through agreements, monitoring, and audits	Monthly	Internal
Maintain current asset maintenance and servicing as per schedule	Annual	Internal / external
Management of raw water sources	Weekly	Internal
Connection and disconnection of water and wastewater services to the community	As required	Internal
Management of raw, potable, and recycled water standpipes to residential and commercial users	As required	Internal / external

Table 1: Operations and Maintenance Department Functions

LOCATIONS

Location	Water Supply	Wastewater
Carmila	Carmila Water Supply System.	
Clermont	Clermont Water Supply System.	Clermont Wastewater Collection, treatment, and safe disposal system.
Dysart	Dysart Water Supply System.	Dysart Wastewater Collection, treatment, and safe disposal system.
Glenden	Glenden Water Supply System.	Glenden Wastewater Collection, treatment, and safe disposal system.
Middlemount	Middlemount Water Supply System.	Middlemount Wastewater Collection, treatment, and safe disposal system.
Moranbah	Moranbah Water Supply System.	Moranbah Wastewater Collection, treatment, and safe disposal system.
Nebo	Nebo Water Supply System.	Nebo Wastewater Collection, treatment, and safe disposal system.
St Lawrence	St Lawrence Water Supply System.	

Table 2: Treatment Plant Locations

OPERATIONAL HIGHLIGHTS

Glenden Water: Glenden water won three awards for the Best Tasting Water (2024) for the Isaac Region, Queensland and Australia. This paved the way for Glenden's water to be entered into the 33rd annual Berkeley Springs International Water Tasting Competition in the USA, where a six-litre sample of Glenden Drinking Water was sent to represent Isaac in the prestigious drinking water competition. Unfortunately this time, Glenden was not selected as one of the winners.

The water will be entered into one more competition at the WIOA conference in May when it will be judged against the best water in New Zealand.

Operational staff members: There has been an increase in applications for vacant treatment plant Operator positions with five new treatment plant operators and one maintenance staff member successfully engaged in the last quarter.

Release to Grosvenor Creek: During the rain event in February Grosvenor Creek reached the flow that is required for IRC to release recycled water to Grosvenor Creek. During the 90 hours that the release could occur, there was a total volume of 23.56ML released. This was the first compliant release of recycled water to the environment since 2017. Many months of testing, data collection, investigations and reports enabled the Environment Authority to be amended adjusted which made the release parameters more achievable.

Inspections of stormwater and leachate dams: The Technical Officer – Dams has conducted inspections and monitoring of all water infrastructures/dams at the Waste Facilities throughout Isaac Region. This cross departmental activity negates the need to engage an external consultant to undertake this work and promotes inter-departmental collaboration and resource sharing.

Preventative Maintenance Programs: Twenty-five (25) preventative maintenance programs have been successfully awarded and delivered year to date. The continued expansion of these programs is starting to have a visible impact upon the reliability of operational assets.

Engineering Survey of Theresa Creek Dam Wall: This survey was identified as a requirement of the Structural Inspection and Report in 2021. This survey was submitted to tender, and a successful tenderer was awarded. The onsite package of work has been completed, and construction data will now be compared to the data collected during this survey. This information will give an indication of any actual movement in the concrete structure and will inform the future course of action.

Blue-Green Algae: A review of the Blue Green Algae Management Plan for Drinking Water and the Recreational Waters Blue Green Algae Management Plan was undertaken. Consultation with the managers of Economy and Prosperity and Parks and Recreation ensured that all stakeholders understand their responsibilities of the Recreational Waters Blue Green Algae Management Plan. Total algae test results were then aligned with QLD cyanobacteria limits including liaison with Ecoscope relating to other potentially toxic species. Methodologies are being explored to manage Blue-Green algae in all raw water and effluent dams. Ongoing discussions are taking place with Gympie Regional Council, Logan Council, and Mackay Regional Council, as well as several vendors, to adopt a solution that is both environmentally sustainable and economically feasible.

Environmental Monitoring of Moranbah Wastewater Treatment Plant: Consultants have been engaged to investigate and nominate the location of ground water monitoring bores at this site. Three of the proposed bore sites are located on an adjacent property owned by Anglo American. Negotiations have begun to finalise the agreement with Anglo for access for drilling and monitoring ground water via these assets.

Australian Drinking Water Guidelines (ADWG) change in health limits: IRC's Water and Wastewater team coordinated a response for the public consultation for ADWG change in health limits for the WIM (Whitsunday, Isaac and Mackay) Alliance compliance work group to submit.

Fire Hydrant and Sluice Valve replacement Program: This is an ongoing recurrent project that has seen the replacement of 13 failed network fire hydrants and 7 network isolation sluice valves. This will secure a higher level of certainty for Queensland Fire Services to access these hydrants and the IRC team to isolate network areas with confidence when repairs or modifications are required to the network.

Environmental: Three (3) Council officers attended a conference presented by Queensland Water Directorate on the Environmental Opportunities for Queensland Urban Water Sector. Following this conference the three members collaborated with Gympie Regional Council on the management of blue green algae and preventative maintenance.

THREE MONTH OUTLOOK

Operational and Maintenance contracts: Review of the Environmental Monitoring Contract and conclude the future of the current contract, extend/terminate existing maintenance contracts and finalise additional/renew maintenance contracts.

Optimise Water Treatment Plants: Conduct investigations to optimise process and chemical use on the Middlemount and Dysart Water Treatment Plants to ensure the quality of water being produced is optimal.

Environmental Monitoring: Complete the agreement between Anglo American and IRC for site access for drilling and monitoring ground water bores adjacent to the Moranbah Wastewater Treatment Plant. Drill ground water monitoring bores at Moranbah and Nebo.

User Requirement Specification development: Complete the User Requirement Specifications for St Lawrence and Carmila Water Treatment Plants and Nebo Wastewater Treatment Plant upgrades.

Nebo Wastewater Treatment Plant Environmental Authority (EA) amendment: Inflow to the Nebo Wastewater Treatment Plant during rain events see a sizable quantity increase, which exceeds the limits set in the EA. Two studies are presently being conducted to confirm the operational capacity of the treatment plant and the irrigation system, taking into consideration future growth predicted at Nebo. Once these studies have been completed, finalisation of the application to amend the EA will occur.

Operational Manuals: Manuals for Moranbah Water and Wastewater Treatment Plants and Clermont Wastewater Treatment Plant will be completed.

Operational Resourcing Strategy: A five-year Operational Resourcing Strategy will be finalised to align with the installation of SCADA upgrades and associated plant automation to treatment plants over the next three years.

TRAINING AND PROFESSIONAL DEVELOPMENT

Water and Wastewater has been able to facilitate 33 team members to attend 14 different training or personal development events this year to date with 6 others training courses and or personal development events scheduled for the remainder of the financial year.

Training or Professional Development opportunities	Attendance
Confined Space Entry	5
Operate Breathing Apparatus	1
Forklift High Risk Work	3
Working at Heights	7
CPR	1
Sustainable Pumping Course	1
Danfoss Variable Speed Drive Applications and Installation Standards	2
WIOA-2024 Conference & Exhibition	4
Qld Water Directorate Annual Conference	1
North QLD Conference 2024	2
Qwater 24 Conference	1
Environmental Opportunities for QLD's Urban Water Sector	3
Dam Safety Surveillance Course	1
Certificate IV- Water Industry Operations	1

Table 3: Training and Development

EMERGING ISSUES

Erosion Control on Earthen Dam Walls: Various strategies have been formulated to reduce and or monitor the occurrence of erosion on Middlemount Raw Water Dam, Moranbah 400ML Raw Water Dam and Moranbah Effluent Storage Dam. These are not at a stage that immediate intervention is required but monitoring will allow for proactive long-term planning.

Deterioration condition of network infrastructure: There has been a measureable increase in water main breaks and sewer main delamination/deterioration over the past three months. Further investigation and data collection will monitor the identified areas.

Release of recycled water to the environment: IRC has been releasing recycled water to the environment without the licenced authority to do so. Plans have been developed to divert recycled water to other areas or use other strategies to lower the storage levels of effluent storage dams but until these are strategies are implemented; this compliance issue will remain. IRC staff meet regularly with Department of Environment Tourism Science and Innovation (DETSI) to provide updates on progress.

RAW WATER SOURCE FOR ISAAC REGIONAL TOWNS

Glenden

Raw water for Glenden is provided from the Bowen River which can be refilled from Gattonvale off-stream storage and Eungella Dam.

- Newlands Coal Mine (Xstrata) **N/A**
- Bowen River Weir **118.51%**

No Water Restrictions

Nebo

Nebo's raw water is supplied through six bores. The new water treatment plant and reservoir as part of the Nebo Water Supply Project have 2ML storage on site.

No Water Restrictions

Carmila

Raw water is supplied from two shallow bores located near the Carmila Creek approx. 1km from the WTP.

Water is flowing over the weir near the bore. **391.2mm** of rain for the reporting month.

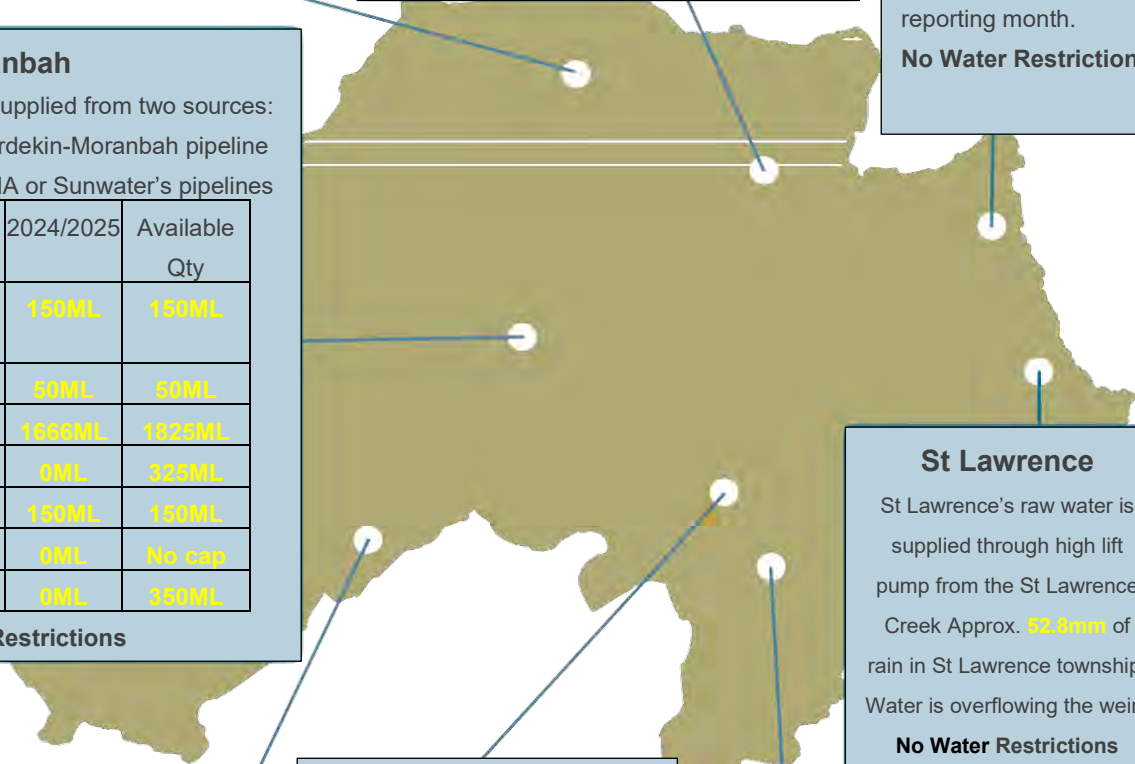
No Water Restrictions

Moranbah

Moranbah's raw water is supplied from two sources:
 Burdekin Dam through Burdekin-Moranbah pipeline
 Eungella Dam through BMA or Sunwater's pipelines

Water to date	2023/24	2024/2025	Available Qty
Pembroke Tier 1	50ML	150ML	150ML
Dyno Tier 1	50ML	50ML	50ML
BMA Tier 1	1825ML	1866ML	1825ML
Dyno Tier 2	125ML	0ML	325ML
Stanmore T1	0ML	150ML	150ML
Sunwater	150ML	0ML	No cap
BMA Tier 2	30ML	0ML	350ML

No Water Restrictions



St Lawrence

St Lawrence's raw water is supplied through high lift pump from the St Lawrence Creek Approx. **52.8mm** of rain in St Lawrence township. Water is overflowing the weir!

No Water Restrictions

Clermont

Clermont's raw water is supplied from Theresa Creek Dam. **121.8mm** rain at Theresa Creek Dam. **0.092m** below overflow level

No Water Restrictions

Dysart

Dysart's raw water is supplied from Bingegang Weir in the Mackenzie River which can be re-filled from Fairbairn Dam through Bedford Weir.

- Bingegang Weir **102%**

No Water Restrictions

Middlemount

Middlemount's raw water is supplied from the Bingegang Weir on the Mackenzie River approx. 60km away. The weir is re-filled from Fairbairn Dam through Bedford Weir.

Bingegang Weir **102%**
 Fairbairn Dam **23.5%**
 Bedford Weir **100.48%**

Level 1 Water Restrictions

BUDGET

Wages: The engagement of contract Treatment Plant Operators to cover internal vacancies has resulted in the Agency Temp Staff budget being exceeded and insufficient budget within Salaries and Staff Wages to offset the additional expenditure. Note recent recruitment successes will go some way to alleviating this expenditure.

Repairs and Maintenance: Continuing increases to contractor pricing have put pressure on the budget to deliver necessary maintenance work to ensure ongoing operational compliance.

CONCLUSION

Many of the initiatives that have been pursued over the last few years are combining to deliver sustainable change. Examples of this include the implementation of preventative maintenance programs which is resulting in reductions to reactive maintenance activity and amendments to environmental authorities to enhance operational compliance.

The Operations and Maintenance department continues to provide essential water and wastewater services to communities across the region and is progressively improving the reliability of these services. There are still emerging issues, but these are identified and tackled as they arise. Ongoing training, development and recruitment activities have reduced operational risks and improved the quality of the services provided; culminating in the water from Glenden being voted the best water in Australia.

MEETING DETAILS	Water and Waste Standing Committee Wednesday 12 March 2025
AUTHOR	Lisa Tonkin
AUTHOR POSITION	Manager Business Services

5.4

WATER SERVICE AREAS

EXECUTIVE SUMMARY

The purpose of this report is to provide an update on the upcoming review of the Isaac Regional Council (Council) Water Service Areas and propose changes to Council Resolution 507, dated 26 September 2017.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Acknowledges the upcoming review of Isaac Regional Council's declared Water Service Areas.*
- 2. Approves for Water Connection Applications from properties outside the declared Water Service Area to be considered on a case-by-case basis by a suitably qualified person.*
- 3. Repeals Council Resolution 507, Point 5, dated 26 September 2017.*

BACKGROUND

Upcoming Review

The legislative requirements for Water Service Areas (WSA) sits under the *Water Supply (Safety and Reliability) Act 2008*, Part 5 and the Act outlines the conditions for Council to declare, publish and regularly review their WSAs. The Act also confirms the conditions for Council to ensure, to the greatest practicable extent, that all premises in the WSA can be connected upon request, and Council must have the infrastructure to manage this demand.

Council currently has seven (7) WSAs published on their website for the townships of Carmila, Clermont, Dysart, Middlemount, Moranbah, Nebo and St Lawrence and it is proposed for these to be reviewed in the 2025 calendar year prioritising Clermont and Nebo in the first instance.

It is noted that there has not been a WSA declared for Glenden in the past due to the ownership and our partnership with Glencore however, this is proposed to be assessed this calendar year.

Council Resolution 507

Council Resolution 507 from the Minutes for the 26 September 2017 Ordinary Meeting contains the following:

- 1. Approve the Proposed Water Service Area maps for Middlemount, Nebo, Moranbah, Dysart, St Lawrence and Carmila.*
- 2. Approve the current Water Service Area map for Clermont.*

3. *Approve publication of the Notices of Declaration of the Water Service Areas and make such available for inspection.*
4. *Not approve any additional water connections outside the approved areas.*
5. *Approve the implementation of supply agreements with existing customers outside the service areas.*

Water and Waste (W&W) can confirm that Point 4 of the council resolution is still adhered to with numerous applications outside the current WSAs being refused. It is proposed for this directive to be superseded to allow flexibility in assessing these requests. Although significant regard needs to be considered on the potential adverse impact additional water connections may have on Council's infrastructure, capacity and likeliness to affect neighbouring properties, under the current instruction, no review or assessment is being undertaken with all applications being denied at the onset of receipt. By conducting a case-by-case assessment, W&W can approve connections which present positive outcomes for Council and property owners whilst ensuring that applications which are not viable can still be denied but with property specific reasoning communicated.

Records indicate that no steps have been taken to progress Point 5 of the council resolution and W&W propose for this directive to be withdrawn. W&W have received advice that the development of supply agreements would be counterproductive, and Council has no obligation to develop such agreements.

IMPLICATIONS

The upcoming review will consider network capacity, water pressure and cost impacts on property owners. Where a property can be included in the revised WSA without adversely affecting Council and other properties, they will be included. Should this result in a change to rating structure, consultation will occur with these property owners and the Rates and Accounts Department.

It is proposed for the WSA review and each connection application review to be completed by internal employees with no additional resourcing or budget required.

Where records are available of previous connection applications which have been denied, these will be re-assessed following endorsement of the new resolution.

CONSULTATION

- Manager Operations and Maintenance
- Manager Planning and Projects
- Manager Rates and Accounts
- Director Water and Waste

BASIS FOR RECOMMENDATION

Council is obligated to review and publish their declared WSAs annually and W&W will undertake a review in 2025, starting with Clermont and Nebo. W&W also wish to be enabled to assess new connection applications when they are received and approve those where positive outcomes for both Council and property owners can be achieved.

ACTION ACCOUNTABILITY

The Manager Planning and Projects is responsible for reviewing each WSA every year and each connection application. Manager Business Services is responsible for ensuring endorsed WSA maps are published and made available on Council's public website.

KEY MESSAGES

Council is always seeking to review and update their processes to ensure positive outcomes for Council and ratepayers is at the forefront of business practices.

Isaac Regional Council is the water service provider in its area of jurisdiction and is required to prepare and update its WSAs as per the *Water Supply (Safety and Reliability) Act 2008*, Part 5 sections 161 to 163.

Report prepared by:	Report authorised by:
LISA TONKIN	SCOTT CASEY
Manager Business Services	Director Water and Waste
Date: 21 February 2025	Date: 3 March 2025

ATTACHMENTS

- Nil

REFERENCE DOCUMENT

- Water Service Area Maps (Middlemount, Nebo, Moranbah, Dysart, St Lawrence, Carmila and Clermont)