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, 18 SEPTEMBER 2024
COMMENCING AT 1.00PM
COUNCIL CHAMBERS - MORANBAH

DARREN FETTELL

Chief Executive Officer

SCOTT CASEY

Committee Officer

Director Water and Waste

Committee Members:

Cr Simon West (Chair)

Mayor Kelly Vea Vea

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;
 - 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 <u>section 150ER</u>(2), <a href="mailto:150ES(3) or <u>150ES</u>(3) or <a href="mailto:150EU(2) of the <u>Act</u> 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.

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.

AGENDA



WATER AND WASTE STANDING COMMITTEE MEETING OF ISAAC REGIONAL COUNCIL TO BE HELD ON WEDNESDAY 18 SEPTEMBER 2024 COUNCIL CHAMBERS, MORANBAH

- OPENING OF THE MEETING
- 2. APOLOGIES
- 3. DECLARATION OF CONFLICTS OF INTEREST
- 4. CONFIRMATION OF MINUTES
- 5. OFFICER REPORTS
- 6. INFORMATION BULLETIN REPORT
- 7. GENERAL BUSINESS
- 8. CONCLUSION



UNCONFIRMED MINUTES

WATER AND WASTE STANDING COMMITTEE MEETING OF

ISAAC REGIONAL COUNCIL

HELD ON

WEDNESDAY, 21 AUGUST 2024 COMMENCING AT 1.00PM



ISAAC REGIONAL COUNCIL

UNCONFIRMED MINUTES OF THE

WATER AND WASTE

STANDING COMMITTEE MEETING

HELD IN COUNCIL CHAMBERS, MORANBAH

ON WEDNESDAY 21 AUGUST 2024

Ta	ble of Contents	Page
1.	Opening	3
2.	Apologies and Leave of Absences	4
3.	Declaration of Conflicts of Interest	4
4.	Confirmation of Minutes	4
5.	Officer Reports	5
6.	Information Bulletin Reports	9
7.	General Business	10
8.	Conclusion	10





ISAAC REGIONAL COUNCIL

UNCONFIRMED MINUTES OF THE

WATER AND WASTE

STANDING COMMITTEE MEETING

HELD IN COUNCIL CHAMBERS, MORANBAH

ON WEDNESDAY 21 AUGUST 2024COMMENCING AT 1.00PM

ATTENDANCE Cr Simon West, Division Four (Chair)

Mayor Kelly Vea Vea

Cr Vern Russell, Division Two

Cr Rachael Anderson, Division Seven

COMMITTEE

APOLOGIES

Cr Viv Coleman, Division Eight

OBSERVERS Cr Alaina Earl, Division Five

OFFICERS PRESENT Mr Cale Dendle, Chief Executive Officer

Mr Scott Casey, Director Water and Waste Mrs Lisa Tonkin, Manager Business Services

Mr Amal Meegahawattage, Manager Planning and Projects

Mr Jason Grandcourt, Manager Waste Services

Mrs Tricia Hughes, Coordinator Executive Support, Office of the Mayor and Chief

Executive Officer

Mrs Kristi Thomsen, Executive Assistant, Water and Waste

1. OPENING

The Chair welcomed all in attendance and declared the meeting open at 2.10pm and acknowledged the traditional custodians of the land on which we meet today and paid his respects to their Elders past, present and emerging.











ATTENDANCE

Mayor Kelly Vea Vea and Mr Cale Dendle were not in the meeting room at the commencement of the meeting.

2. APOLOGIES AND LEAVE OF ABSENCES

A Leave of Absence has been requested from Cr Viv Coleman, Division Eight due to personal leave commitments.

Resolution No.: W&W0510

Moved: Cr Vern Russell Seconded: Cr Rachel Anderson

That the Water and Waste Standing Committee grants a leave of absence for Cr Viv Coleman.

Carried

3. DECLARATION OF CONFLICTS OF INTEREST

No conflict 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 17 July 2024.









Resolution No.: W&W0511

Moved: Cr Rachel Anderson Seconded: Cr Vern Russell

That the minutes from the Water and Waste Standing Committee meeting held in Council Chambers, Moranbah, commencing at 1.00pm on Wednesday 17 July 2024 are confirmed.

Carried

5. OFFICERS REPORTS

ATTENDANCE

Mr Cale Dendle entered the meeting room at 2.11pm and left the meeting room at 2.11pm. Mr Cale Dendle entered the meeting room at 2.19pm Mayor Kelly Vea Vea entered the meeting room at 2.22pm.

Water and Waste Directorate 2023/2024 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 2023/2024 Capital Works Program.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. Receives and notes the monthly Water and Waste 2023/2024 Capital Projects Progress Summary Report.

Resolution No.: W&W0512

Moved: Cr Vern Russell Seconded: Cr Rachel Anderson

That the Committee recommends that Council:







1. Receives and notes the monthly Water and Waste 2023/2024 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.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

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

Resolution No.: W&W0513

Moved: Cr Anderson Seconded: Cr Russell

That the Committee recommends that Council:

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

Carried

5.3 Materials Recycling Facility Processing Expectations and Deviations

EXECUTIVE SUMMARY

The purpose of this report is to obtain ongoing approval to procure services for Processing of Recyclables as an exception to the competitive bidding requirements under s235 (a) and (b) of the *Local Government Regulations 2012* for medium or large sized contractual arrangements.







OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Resolves it is satisfied that there is only one (1) supplier who is reasonably available that requires payment to supply services for processing and recycling of co-mingled recyclable waste due to the absence of other potential providers within reasonable travel distance of the Isaac Region.
- 2. Resolves that, because of the unique specialised nature of the work involved in operating a Materials Recycling Facility (MRF), it would be impractical or disadvantageous for the local government to invite quotes or tenders for an alternative replacement.
- 3. Endorses the following exception to enter into medium or large sized contractual arrangements as per s235 of the Local Government Regulations (2012) until 30 June 2024:

Company	Service provided/engaged for delivery of
Re.Cycle Operations (Mackay) Pty Ltd	Supplier of Services for processing of co- mingled recyclable waste in North Queensland





Resolution No.: W&W0514

Moved: Cr Rachel Anderson Seconded: Cr Vern Russell

That the Committee recommends that Council:

- 1. Resolves it is satisfied that there is only one (1) supplier who is reasonably available that requires payment to supply services for processing and recycling of co-mingled recyclable waste due to the absence of other potential providers within reasonable travel distance of the Isaac Region.
- 2. Resolves that, because of the unique specialised nature of the work involved in operating a Materials Recycling Facility (MRF), it would be impractical or disadvantageous for the local government to invite quotes or tenders for an alternative replacement.
- 3. Endorses the following exception to enter into medium or large sized contractual arrangements as per s235 of the *Local Government Regulations (2012)* until 30 June 2024:

Company	Service provided/engaged for delivery of
Re.Cycle Operations (Mackay) Pty Ltd	Supplier of Services for processing of co-mingled recyclable waste in North Queensland

Carried

5.4 Moranbah Recycled Water Irrigation Scheme

EXECUTIVE SUMMARY

Council's Environmental Authority (EA) requires that there be no discharge to the environment from Wastewater Treatment Plants (WWTPs) except in Moranbah, under specific circumstances. The failure to prevent unauthorised discharges of recycled water could result in Council facing substantial financial penalties.

In Moranbah, demand for recycled water is currently insufficient to prevent unauthorised discharges of recycled effluent to the environment. The Effluent Reuse Strategy prepared by Bligh Tanner in 2023 recommended the construction of additional irrigation and the use of mechanical evaporators as a hybrid solution to meet the dual objectives of providing community benefit and preventing unauthorised discharges to the environment.

This report recommends extension of the recycled water network in Moranbah, construction of additional irrigation and purchase of a mechanical evaporator to help control the effluent level in Council's Effluent Storage Dams and prevent release of recycled water to the environment.









OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Endorses the construction of an extension to the Moranbah Recycled Water Network including:
 - a. Separable Portion 1 (SP1) Sarchedon Drive Recycled Water Main.
 - b. Separable Portion 1a (SP1a) Stage 1a Irrigation Scheme.
- 2. Endorses the purchase of a mechanical evaporator.

Resolution No.: W&W0515

Moved: Cr Vern Russell Seconded: Cr Rachel Anderson

That the Committee recommends that Council:

- 1. Endorses the construction of an extension to the Moranbah Recycled Water Network including:
 - a. Separable Portion 1 (SP1) Sarchedon Drive Recycled Water Main.
 - b. Separable Portion 1a (SP1a) Stage 1a Irrigation Scheme.
- 2. Endorses the purchase of a mechanical evaporator.

Carried

6. INFORMATION BULLETIN REPORTS

Water and Waste Information Bulletin – July 2024

EXECUTIVE SUMMARY

The Water and Waste Directorate Information Bulletin for July 2024 is provided for Committee review.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. Notes the Water and Waste Directorate Information Bulletin for July 2024.









Resolution No.:		W&W0516				
Moved:	Cr Rachel	Anderson		Seconded:	Cr Vern Russell	
That the Comm	ittee:					
1. Notes the	Water and	Waste Directora	ate Informati	on Bulletin fo	r July 2024.	
						Courted
						Carried
		7. G	ENERAL BU	SINESS		
7.1 S	ale of Anglo	o-American Ass	sets – Impact	on Communi	ty Infrastructure	
Cr Rachel Anders	on enquired	about the comm	nitment from A	Anglo Americar	n to set up a Working Group	o with
Isaac Regional Co	ouncil and A	nglo American to	o discuss and	work through t	the infrastructure impacted	by the
sale of their asset	s. Can an u	update on the tim	ning of this be	provided.		
				ACTION	: CHIEF EXECUTIVE OFF	ICER
				1011		
		8	B. CONCLUS	ION		
There being no fu	rther busine	ss, the Chair ded	clared the me	eting closed at	3.13pm.	
These minutes wi be held on Wedne				Vater and Was	te Standing Committee Me	eting to
					11	
CHAIR					DATE	



TABLE OF CONTENTS



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 21 August 2024.

5. OFFICER REPORTS

5.1

WATER AND WASTE 2023-2024 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

The purpose of this report is to update Council on the Water and Wastewater Preventative Maintenance Program. This report highlights the review of progress against the preventative maintenance schedule proposed for the last two years and outlines additional plans for the 2024/25 Financial Year within the approved budget. Additionally, this report details the pathways through which the information collected via the Preventative Maintenance Program can be used to develop effective asset management.

5.3

UTILITY CHARGE REMISSION – EXTRAORDINARY CIRCUMSTANCES POLICY

EXECUTIVE SUMMARY

The purpose of this report is to present the Utility Charge Remission – Extraordinary Circumstances Policy for review and adoption.





TABLE OF CONTENTS



5.4

EXCEPTION BASED CONTRACTUAL ARRANGEMENT – ADEPT CONTRACTORS

EXECUTIVE SUMMARY

The purpose of this report is to seek Council's resolution under the exception provisions for entering into medium or large-sized contractual arrangements within s235 (b) of the Local Government Regulations (2012) to arrange the rectification of washed-out embankments at the Moranbah 400ML Water Reservoir using Adept Contractors Pty Ltd.

6. INFORMATION BULLETIN

6.1

WATER AND WASTE INFORMATION BULLETIN - AUGUST 2024

EXECUTIVE SUMMARY

The Water and Waste Directorate Information Bulletin for August 2024 is provided for Committee review.

7. GENERAL BUSINESS

8. CONCLUSION







MEETING DETAILS	Water and Waste Standing Committee Wednesday 18 September 2024
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 August 2024, 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 constructing a new roof for the 5.7ML water reservoir at the Moranbah Water Treatment Plant to protect and extend its lifespan. Construction commenced in March 2023, and key structural components, such as cleats, columns, and abrasive blasting, have been completed. The epoxy coating of



cleats is ongoing, with steel delivery expected in the first week of September. The project is on track for completion by the end of September 2024.

2. CW233141 - Nebo Water Network Augmentation

A new water main in Nebo has been successfully installed to enhance the town's water supply infrastructure, improving both reliability and capacity. The water main upgrade at the truck-fill point was completed and commissioned, with Practical Completion achieved on 6 August. Minor defects are currently being addressed, and the water main is now operational.

3. CW233150 - Clermont Water Treatment Plant Filter Media Replacement and Plant Modernisation

Modernisation efforts at the Clermont Water Treatment Plant include installing turbidity analysers, upgrading switchgear, and enhancing the chemical dosing system. These upgrades are critical for meeting Isaac Regional Council (IRC) Drinking Water Quality Management Plan (DWQMP) standards. The turbidity analyser installation work is nearing completion, though issues have led to the replacement of installed red LED analysers with white halogen light sources. Switchgear upgrade work commenced in July and is progressing well. The chemical dosing upgrade component will be re-evaluated and re-tendered due to dependencies in the original scope of work

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

To improve raw water storage capacity and distribution efficiency in St Lawrence, a new water main was completed and commissioned in November 2023. The contract for the water storage facility was awarded in April 2023. Ongoing construction includes pipe and electrical conduit installation, and concrete works as of late August.

5. CW243181 – Moranbah SPS Upgrades

Upgrades to the sewer pumping station in Moranbah are set to enhance efficiency and capacity, improving wastewater management infrastructure. The contract was awarded in July, with potholing completed and materials ordered by the contractor. Completion is expected by the end of September.

6. CW243205 - Moranbah Rectification of Landfill Cell

Efforts to rectify and stabilise the landfill cell in Moranbah are underway, addressing environmental concerns and ensuring regulatory compliance. A budget of \$4.2 million was allocated for the 2023/24 financial year, with \$3.7 million carried forward to the 2024/25 financial year. The geotechnical specialist contract was awarded in April, with progress being made on rectification options. The construction tender is expected to be awarded in February 2025, according to the revised project management consultant's program.

7. CW243239/CW243240 - Carmila and Greenhill Landfill Capping

These design-only projects focus on landfill capping in Carmila and Greenhill for regulatory compliance. Design and scope work is ongoing, with minimal progress since June 2024 due to delays in geotechnical test results from Aurecon's sub-contractor.



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

The project involves converting the Dysart landfill site into a transfer station, enhancing waste management in the area. The Design and Construct (D&C) tender has been finalised and is pending approval for advertisement.

9. CW253273 - Carmila Water Treatment Plant Upgrade

Various upgrades are planned for the Carmila Water Treatment Plant to enhance operational efficiency and reliability, ensuring better water quality for the community. Project planning began in July 2024, with initial site investigations and scope development currently underway. SCADA mimics and chemical dosing system requirements are pending confirmation by Operations prior to procurement.

10. CW253274 - St Lawrence Water Treatment Plant Upgrade

Upgrade works at the St Lawrence Water Treatment Plant are in the planning phase, with a focus on modernising the infrastructure to improve the quality of drinking water provided to the community. Initial site investigations and scope development are in progress, with SCADA mimics and chemical dosing system requirements being finalised.

11. CW253275 - CORP Sewer Relining 2025

This sewer network upgrade includes capturing CCTV footage and subsequent sewer relining for prioritised sections. The scope of work is being prepared, covering the remaining CCTV in Moranbah and Dysart, with a focus on completing Moranbah sewer relining based on budget availability. The Design and Construction tender is finalised and under review by Procurement.

12. CW253282 - CORP Water Network Water Meters

Replacing water meters as part of this project is essential for improving water usage measurement and billing accuracy, contributing to better water resource management. The Request for Quote (RFQ) has been finalised and will be issued to the market in the first week of September.

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

Installation of turbidity analysers on filters at the Glenden Water Treatment Plant will enhance operational efficiency and water quality monitoring. The RFQ is being prepared and will be finalised after incorporating learnings from the Clermont Water Treatment Plant installation.

14. CW253290 - Middlemount Water Network Augmentation

A new water main is planned within the Middlemount water pipe network to improve water distribution efficiency and capacity. Operations are currently consulting on the scope of works, with tender documentation preparation in progress.

15. CW253289 - Moranbah Water Network Relocate Truck Filling

This project involves relocating the truck filling station from Goonyella Road to a new site across the road, adjacent to the Moranbah depot. The scope includes upgrading the intersection at the depot entrance, with Water and Waste funding the truck fill station component. The Engineering & Infrastructure directorate will oversee the work as part of a larger intersection upgrade. Design completion is expected by November 2024, with construction starting in March 2025.



16. CW253291 - Nebo Water Network AvData

An AvData system will be installed at the Nebo truck fill point to accurately record water volumes taken by commercial customers. The draft scope of works has been prepared and will be reviewed by Operations in the first week of September.

17. CW253283 - CORP Switchboards

Switchboards will be replaced to reduce the risk of service failures and ensure ongoing compliance with regulatory requirements. The scope of works is under preparation in consultation with Operations, pending the finalisation of switchboard design information.

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 & Project Department Project Managers

BASIS FOR RECOMMENDATION

To improve business within the Water and Waste Directorate by providing more appropriate and relevant reporting, transparency, and a clear monitoring tool for Council. This report will help identify and communicate any project delays or possible project failures.

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.



Report prepared by:

AMAL MEEGAHAWATTAGE Manager Planning and Projects

Date: 2 September 2024

Report authorised by:

SCOTT CASEY

Director Water and Waste

Date: 5 September 2024

ATTACHMENTS

• CONFIDENTIAL Attachment 1 – Water and Waste Capital Projects Progress Summary Spreadsheet August 24

REFERENCE DOCUMENT

• Nil.





MEETING DETAILS	Water and Waste Standing Committee Wednesday 18 September 2024
AUTHOR	Seungchan Bang
AUTHOR POSITION	Maintenance Planner Water and Waste

5.2	WATER A	AND	WASTEWATER	PREVENTATIVE	MAINTENANCE
	PROGRAM	M UPI	DATE		

EXECUTIVE SUMMARY

The purpose of this report is to update Council on the Water and Wastewater Preventative Maintenance Program. This report highlights the review of progress against the preventative maintenance schedule proposed for the last two years and outlines additional plans for the 2024/25 Financial Year within the approved budget. Additionally, this report details the pathways through which the information collected via the Preventative Maintenance Program can be used to develop effective asset management.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

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

BACKGROUND

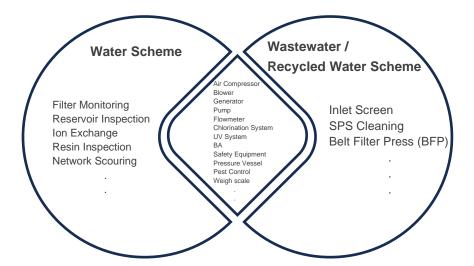
The Water and Wastewater Preventative Maintenance Program (PMP) was initially prepared in August 2022 as a multiyear program to address a wide range of high priority maintenance needs across the Water and Wastewater asset base. Whilst reactive maintenance is still required to address unexpected equipment failure on a day-to-day basis, the necessity of a planned PMP was identified to ensure the continual improvement of asset condition and ensure the long-term sustainability of Water and Wastewater infrastructure. This report highlights the outcomes of PMP since its commencement and the additional plans for FY24/25 with a commitment to support the successful execution of the entire program.

Key completed milestones in the preventative maintenance program include:

a) Identification of planned Preventative Maintenance Program activities

Equipment used for water treatment and wastewater treatment process were listed and catagorised based on definitions and functions. A total of 31 Preventative Maintenance (PM) programs were initially identified and designated as discrete maintenance programs.





b) Priority Setting and Job Planning

The identified programs were prioritised by key criteria: Criticality and Value.

- i. Criticality refers to the potential impacts on the treatment process in the event of a breakdown, including effects on the community and end-users.
- ii. Value denotes the significance of the equipment in operating the treatment plant, monitoring the treatment process and whether the plant has redundancy equipment to ensure continuous service.

c) Budget Estimation

19 preventative maintenance programs were successfully carried out by June 2024 with a supporting budget of \$650,000. The approved budget for the PMP in FY24/25 is \$1,204,000, which will be used to support the original 19 maintenace programs, plus complete an additional 10 programs. This additional budget will accelerate the delivery of identifed programs and enhances the reliability of water and wastewater services.

Key ongoing milestones in the preventative maintenance program include:

a) Service Report Review and Equipment Improvement.

Service reports produced as part of the maintenance activities are thoroughly examined to identify and address risks. The Operations and Maintenance staff evaluate these risks to determine their potential impact on the delivery of water and wastewater services, then decide on the best course of action. Interventions arising from the condition assessments and inspections fall into three categories:

- i. Repair (Funded from the Repairs and Maintenance budget)
- ii. Replacement (Funded from the Emergent Works and Programmed Renewals capital budget)
- iii. Deferral (The intervention is postponed for consideration of investment at a future date dependant of severity of condition)

In addition, collected information, including mechanical/electrical specifications, calibration results, test results and condition assessment results, are used to update Operational Asset Registry (OAR) and Financial Asset



Registry (FAR), aiding in the development of long-term capital planning for up to 30 years, supporting the ongoing development of an advanced asset management process and asset criticality analysis.

Progress of the Preventative Maintenance Program

Scheduled PMP completed and planned to continue (23/24, 24/25):

- i. 15 Air Compressor and 15 Blower Bi-Annual Service
- ii. 34 Generator Bi-annual Service (Whole of Council Contract)
- iii. 30 Overhead Crane and Lifting Beam Annual Service
- iv. 100 Sewage Pump Station and Raw Water Pump Station Pump Annual Service
- v. 50 Sewage Pump Station and Treatment Plant Well Cleaning Annual Service
- vi. Nebo Water Treatment Plant (WTP) Ion Exchange Resin Inspection and Testing
- vii. 6 Wastewater Treatment Plant (WWTP) Inlet Screen Annual Service
- viii. 229 WTP and WWTP Lift, Dosing and Pressure Pump Annual Service
- ix. 1 Moranbah WWTP Belt Filter Press Annual Service
- x. 173 Safety Equipment Bi-Annual Service
- xi. 9 Chlorination System Bi-Annual Service
- xii. 25 Weigh Scale and Benchtop Lab Scale Annual Service
- xiii. 6 UV Disinfection System Bi-annual Service
- 98 Water and Wastewater Treatment Plant Online Analyser Annual Service
- xv. 23 Pressure Vessel Annual Service and Certification
- xvi. 61 Lab Benchtop Analyser Annual Service
- xvii. 110 WTP and WWTP Flow Meter Annual Verification Testing
- xviii. 19 WTP and WWTP Electric Gate and Roller Door Annual Service
- xix. 14 WTP and WWTP Pest Control Bi-Annual Service

Additional scheduled PM programs planned (24/25):

- i. 79 WTP and WWTP Process Equipment Maintenance (Aerator, Mixer, Drive Unit, Gear Box's)
- ii. Water Network Scouring (Nebo)
- 32 Sewage Pump Station RCD Testing
- iv. WTP and WWTP Test and Tag
- v. Granular Activated Carbon Inspection and Condition Assessment (Dysart)
- vi. WTP and WWTP Actuator Calibration
- vii. Sewage Pump Station Electrical Switchboard Thermal Testing
- viii. Polishing Plant Inspection and Condition Assessment (Dysart/Middlemount)



- ix. WTP and WWTP Air Conditioning Inspection and Maintenance
- x. Water Reservoir and Tower Inspection and Condition Assessment (Nebo/Glenden/Moranbah)

PM programs unscheduled due to limited budget:

- i. Differential Pressure and Level Sensor Calibration
- ii. Water Town Water Sluice Valve Exercise Program and Hydrant Cleaning

Consultation with other Directorates to incorporate Equipment Maintenance.

Generator PMP was a program contract that commenced in 2020 and matured in 2023. Through consultation with other directorates an extended package of work was formulated to include all generators, above 5Kva, throughout the council. The other directorates that are included in this PMP are responsible for their separate costs to fulfill this program, and the scheduling and project management is managed by Water and Waste.

There are other programs that are presently being discussed with other directorates to incorporate and utilise resources in an attempt to allow more cost-effective pricing structures and to streamline the delivery of preventative maintenance for common asset classes.

Maintenance Budget Expenditure

There has been a reactive maintenance budget for many years and more recently a preventative maintenance program has been incorporated into the overall Water and Wastewater Budget. Prior to FY22-23 most of the maintenance budget was consumed by reactive maintenance requirements with a very small proportion actually utilised for planned preventative maintenance activities. Over the last two years there has been a conscious drive to redress the balance of preventative and reactive work to delivery maintenance activity in a more planned and programmed way. Over time this will mean the majority of maintenance work is preventative in nature and will be undertaken before an asset fails rather than after failure. This approach will reduce the risk of service interruptions.

Whilst planned preventative maintenance activities have been implemented over the past two years, there has also been an increase in expenditure on reactive maintenance expenditure. These increases in the reactive maintenance costs are a result of low value repairs/replacements that are identified in the PMP programs. This work is planned reactive maintenance, rather than in response to asset failure and supports the PMP.

It is expected that as the preventative maintenance program matures the amount of planned reactive maintenance tasks that are required will diminish as the backlog of outstanding maintenance is reduced as will the amount of reactive maintenance tasks due to asset failure.

Supporting Capital Budget

Where maintenance (preventative or reactive) is insufficient to bring an asset up to the expected standard or where asset replacement is identified as necessary, capital investment is utilised.



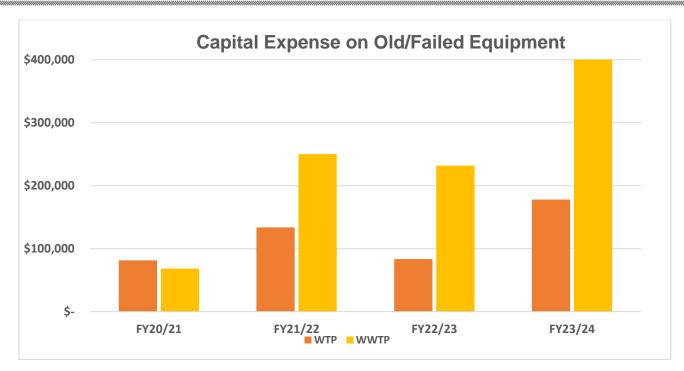


Figure 1: Capital expense on old / failed equipment

The capital interventions support returning assets back to a serviceable standard. Once they are fit for purpose again, the ongoing PMP will monitor and maintain these assets to ensure their condition does not deteriorate unreasonably in the future.

Repair Work Order Request

The repair work order request is the authorised process for managing operational issues between frontline operators and maintenance teams. Due to the ongoing promotion of using a request form rather than email, phone call or in-person conversations to capture the accurate information and track the maintenance actions, the volume of receiving repair work order request has increased. The introduction of in-house treatment plant maintenance staff (Plumber, Electrician & Maintenance Fitter) has added to the ability to repair/replace equipment in a timely and cost-effective way.

The culture change within the Water and Wastewater Team to accept that monitored and evaluated programs allows the management of budgets in a professional manner which increases the value, safety and consistency of their workplace. The increase in Repair Work Requests indicated in the graph below supports this conscious uplift in maintenance culture (figure 3).



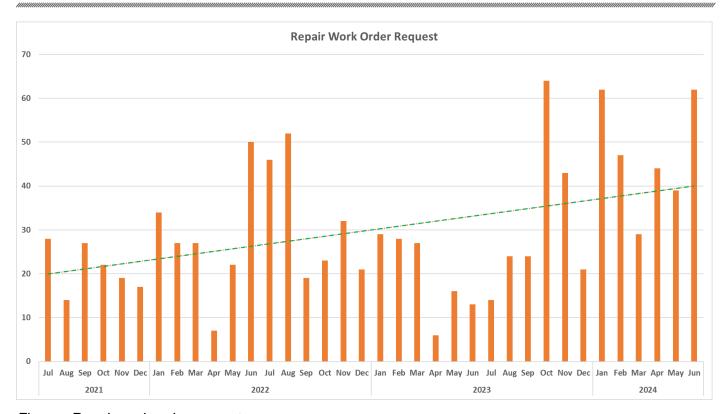


Figure: Repair work order requests

Projection

The PMP represents a shift from the historical, reactive approach to equipment failure and breakdowns toward proactive condition assessments and preventative maintenance of capital interventions. The Water and Wastewater team anticipates positive outcomes from Council's investment in this program. Proactive maintenance, encompassing thorough inspections and timely repairs, is expected to support uninterrupted operations for the provision of drinking water, wastewater treatment, recycled water production, conveyancing of all water and wastewater products, and the mitigation of regulatory compliance breaches, and enhancing staff safety. These specific areas have seen a lowering of risk due to the planned and preventative maintenance of assets.

IMPLICATIONS

Asset condition assessments gathered through the PMP will inform future investment decision-making and serve as a key information source for both the asset management and the development of future investment programs. The PMP is expected, over time, to minimise instances of asset failure and unplanned outages as well as reduce reactive maintenance costs.

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
- Manager of Fleet
- Programs Leader Maintenance, Corporate Properties and Fleet
- Team Leader East, Workshops
- Senior Disaster and Emergency Resilience Partner, Safety and Resilience

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 to ensure that the works are included in yearly operational budgets and support the preventative maintenance programs to ensure successful delivery.

KEY MESSAGES

Implementation of the Water and Wastewater preventative maintenance program will enhance the reliability of the water and wastewater processes and support delivery of essential community services.

Report prepared by:

SEUNGCHAN BANG

Water and Waste Maintenance Planner

Date: 2 September 2024

Report authorised by:

SCOTT CASEY

Director Water and Waste

Date: 5 September 2024

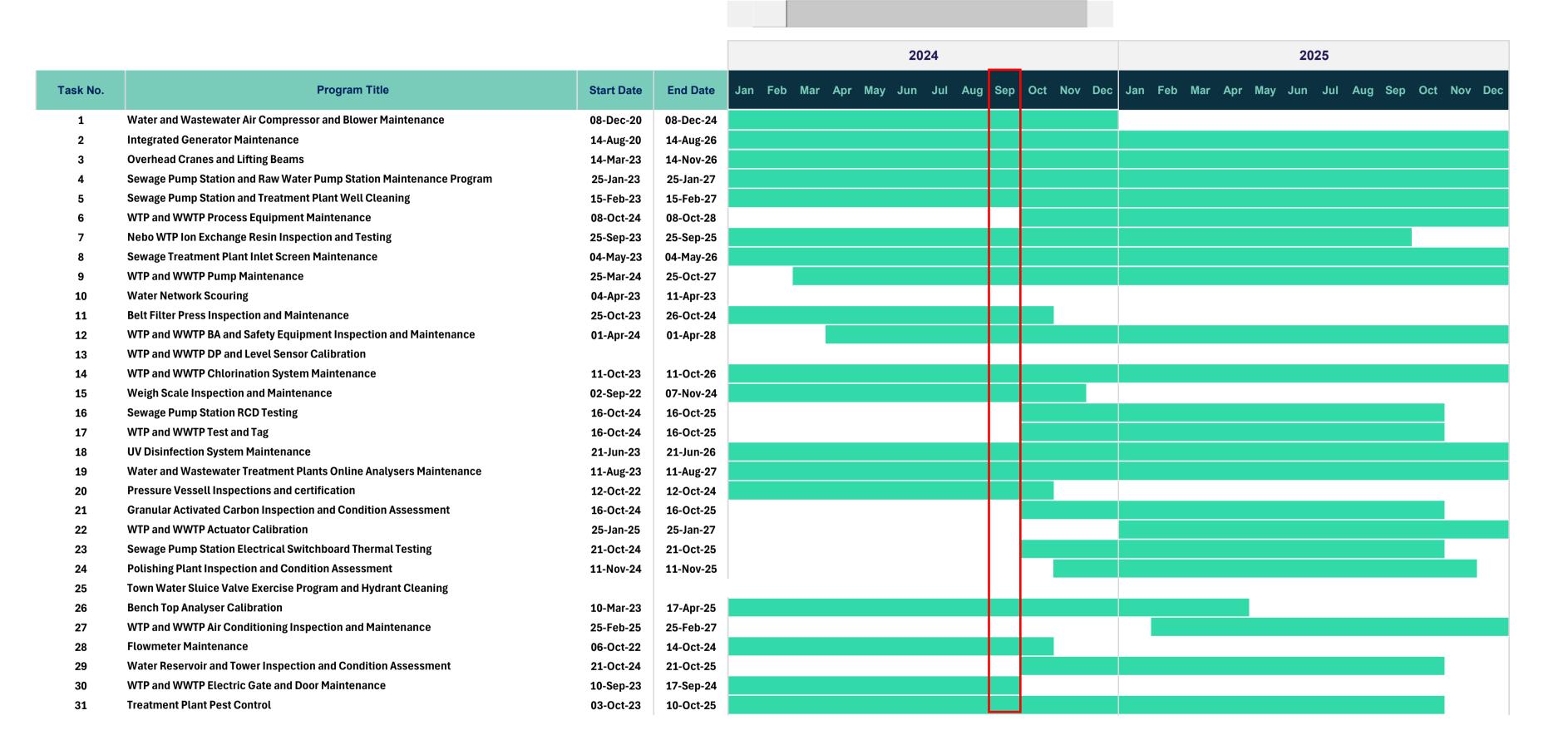
ATTACHMENTS

Attachment 1 – Preventative Maintenance Program Schedule September 2024

REFERENCE DOCUMENT

Nil

Water and Waste Preventative Maintenance Program





MEETING DETAILS	Water and Waste Standing Committee Wednesday 18 September 2024
AUTHOR	Lisa Tonkin
AUTHOR POSITION	Manager Business Services

5.3	UTILITY CHARGE REMISSION – EXTRAORDINARY
	CIRCUMSTANCES POLICY

EXECUTIVE SUMMARY

The purpose of this report is to present the Utility Charge Remission – Extraordinary Circumstances Policy for review and adoption.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. Adopts the updated Utility Charge Remission – Extraordinary Circumstances Policy (WW-POL-053).

BACKGROUND

The Utility Charge Remission – Extraordinary Circumstances Policy was adopted by Council in October 2021 (Resolution Number 7563) to outline how the Water and Waste Directorate (W&W) will approve and apply a remission to a customer's account, in circumstances where there has been a failure to deliver a product or service to the established quality, due to an extraordinary event.

This Policy was last enacted in January 2022 when an annualised twenty-two (22) day proportional rates remission was provided to Clermont properties who received water usage and infrastructure charges for the period 1 July 2021 to 31 December 2021.

As per the Document Control Procedure (CORP-PRO-001), it is recommended that all policies be reviewed against legislation and best practice principles and presented to Council at least every two (2) years. This review has been completed and no changes are proposed to be made to the current Utility Charge Remission – Extraordinary Circumstances Policy.

IMPLICATIONS

As per the Document Control Procedure (CORP-PRO-001), this Policy was identified as needing to be reviewed to ensure it remained applicable to current legislation and best practice. This review has identified no changes to the current Policy.

CONSULTATION

This document has been provided to the following teams, groups and officers for review:

- Governance and Corporate Services
- Manager Governance and Corporate Services



Director Water and Waste

Program Leader – Compliance and IMS

BASIS FOR RECOMMENDATION

The Utility Charge Remission – Extraordinary Circumstances Policy has been updated to ensure it conforms to Council's current practices, legislation and related documents.

ACTION ACCOUNTABILITY

Following endorsement, the Manager Business Services is to ensure the approved document is registered through Governance and made available on Council's public website.

KEY MESSAGES

The Utility Charge Remission – Extraordinary Circumstances Policy has been reviewed to ensure it is up to date, relevant and follows best practice.

Report prepared by: Report authorised by:

LISA TONKIN SCOTT CASEY

Manager Business Services Director Water and Waste

Date: 28 August 2024 Date: 5 September 2024

ATTACHMENTS

Attachment 1 – Utility Charge Remission – Extraordinary Circumstances Policy (WW-POL-053)

UTILITY CHARGE REMISSION – EXTRAORDINARY CIRCUMSTANCES

APPROVALS

POLICY NUMBER	WW-POL-053	DOC.ID	3663765
CATEGORY	Community		
POLICY OWNER	Water and Waste		
APPROVAL DATE		RESOLUTION NUMBER	



OBJECTIVE

To outline the criteria associated with how Council will approve and apply a remission to a customer's account, in circumstances where there has been a failure to deliver a product or service to the established quality, due to an extraordinary event.

SCOPE

Council's remission due to failed products and services applies to:

• All water, sewerage utility charge and/or waste service customers of Isaac Regional Council.

DEFINITIONS

Shall mean the date range between the start date and end date when a product or service is charged and does not refer to the issue date or the payment due date.
Shall mean the component of Council's water charges that is applied for each kilolitre of water used.
Issued under the <i>Local Government Act 2009</i> for waste services, land rates, water and sewerage infrastructure charges and general council services.
Shall mean Isaac Regional Council.
Shall mean consumers or users of a council product or service.
Shall mean a property considered to be residential or non-residential as determined by the rating category applied by Council.
Shall mean an agreed Council service related to the collection of customers' waste or recycling bin from the customers' places of residence or business.
Shall mean the notice issued by Council to customers containing water consumption charges.

POLICY STATEMENT

COUNCIL'S POSITION ON MATTER

Council is responsible for the quality and supply of products and services it delivers to its customers within the Isaac region. In situations where Council fails to deliver these products and services to the established standard due to an extraordinary event, Council will grant a remission to those customers under the following conditions.

ELIGIBILITY

To be eligible for a remission, the event must meet the following criteria:

Threshold parameter 1 – nature and gravity of event

A remission would only apply when Council deems by resolution that it has formed the view that the event is of severe gravity and is extraordinary in nature.

Threshold parameter 2 – extent of affected customers

A remission would only apply when the proportion of affected customers in a supply district is equal to or greater than 30% of the total number of customers within that district.

Threshold parameter 3 – duration of event

A remission would only apply when service standards are not satisfied for equal to or longer than seven (7) days.

CALCULATION OF ANNUALISED REMISSION

Council will use the following information to calculate the annualised remission:

(Number of days = to or greater than seven (7) divided by number of days in the year) multiplied by (the normal charge for the product or service affected).

For example:

If the period were sixteen (16) days out of the year and the charge for the service in question were \$520, then the remission would be:

• 16/365 which is .0438, times \$520, which is \$22.79.

Note: Associated rates can be obtained from Council's Rates, Fees and Charges.

Council may elect to apply the remission to a single billing period instead of the full year in some cases.

PAYMENT OF REMISSION

Council will apply the remission as a financial adjustment to the property owner's account. If the account has been paid in full a credit will be applied to a subsequent notice.

LEGISLATIONS AND RELATED GUIDELINES

- Australian Drinking Water Guidelines
- Water and Waste Customer Service Standards
- Isaac Regional Council Customer Charter
- Local Government Act 2009
- Water Supply (Safety and Reliability) Act 2008
- Local Government Regulation 2012

REFERENCES

ID	NAME
CORP-POL-085	Water and Sewerage Connections and Disconnections Policy
WW-POL-084	Water Meter Reading and Billing Policy
WW-POL-108	Water Supply and Wastewater Service Complaints Policy



MEETING DETAILS	Water and Waste Standing Committee Wednesday 18 September 2024
AUTHOR	Amal Meegahawattage
AUTHOR POSITION	Manager Planning and Projects

5.4	EXCEPTION BASED CONTRACTUAL ARRANGEMENTS – ADEPT
	CONTRACTORS

EXECUTIVE SUMMARY

The purpose of this report is to seek Council's resolution under the exception provisions for entering into medium or large-sized contractual arrangements within s235 (b) of the *Local Government Regulations (2012)* to arrange the rectification of washed-out embankments at the Moranbah 400ML Water Reservoir using Adept Contractors Pty Ltd.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

- 1. Notes that due to the importance and urgency of rectifying the washed-out sections of the banks at the Moranbah 400ML Water Reservoir, and considering Adept Contractors Pty Ltd's recent successful works at the site, local knowledge of the issue, and immediate availability in the area, it would be impractical or disadvantageous for Council to invite quotes or tenders from other potential suppliers;
- 2. Resolve to approve the enclosed exception to enter a medium- or large-sized contractual arrangement as per s235 of the Local Government Regulations 2012 for the rectification of the washed-out sections of the Moranbah 400ML Water Reservoir banks, as per Quotation 7599 dated 08 September 2024 (attached), provided by Adept Contractors Pty Ltd.

BACKGROUND

Contract IRCT-MBH3-1021-259 for the Moranbah 400ML Raw Water Dam Remediation Works was originally awarded to Lohman Contracting Pty Ltd. However, due to non-compliance issues, the contract was terminated. Subsequently, a new contract under the same contract number was awarded to Vassallo Constructions Pty Ltd, who successfully completed the required construction works.

Following the construction, Vassallo's subcontractor, Adept Contractors Pty Ltd (Adept), was directly engaged by Isaac Regional Council (IRC) to continue watering the hydro-mulched dam embankments for an extended period to ensure the improved establishment of vegetation. Adept completed this task and delivered the scope of works to IRC's satisfaction.



Discussion

Recently, it was observed that some sections of the remediated bank tops of the Moranbah 400ML Raw Water Reservoir Dam have suffered erosion. This erosion requires urgent attention as it has the potential to worsen rapidly, further damaging the reservoir banks and leading to sedimentation downstream. The rectification works are therefore critical and must be carried out as soon as possible to mitigate these risks and prevent further deterioration.

Council officers have determined that Adept Contractors Pty Ltd as capable of performing the necessary specialised works required. Their immediate availability, due to their presence in the area, and their previous involvement with the past projects at this site, including the most recent one mentioned in the background section of this report, make them a suitable choice to undertake this work.

Given the urgency of the situation, it is deemed impractical or disadvantageous for IRC to invite quotes or tenders from other suppliers at this time. Officers are seeking a resolution from Council to exercise an exemption provision in the award of this contract.

Alternative quotes have not been sought in this case as the works required are urgent and the recommended contractor was involved in the delivery of the recent project on this asset. This request is supported by section 235 of Local Government Regulations 2012, which states the "a local government may enter into a medium-sized contractual arrangement or large-sized contractual arrangement without first inviting written quotes or tenders if;

(b) the local government resolves it is satisfied that, because of the nature of the specialised or confidential services that are sought, it would be impractical or disadvantageous for the local government to invite quotes or tenders.

Approval is sought for the scope of work, outlined in Quotation 7599 dated 8 September 2024, with a total cost of \$19,190.00 (ex GST), \$21,109.00 (inc GST). Currently there is only \$11,294 of available funds remaining in the capital budget for project number CW223019 and it is proposed to source the shortfall of funds from savings of a completed project, as outlined below.

CW223019 Moranbah 400ML Raw Water Dam Remediation

Proposed Revised Budget*	\$21,195.00
YTD Actuals	\$ 9,901.00
Available Funds	\$11,294.00
Proposed Commitments	\$19,190.00
Budget Shortfall	\$ 7,896.00

^{* (}note proposed Capital Carry Forward Review to be adopted at the September Council Meeting)

With the finalisation of works for CW223000 Moranbah Landfill Phase 2 Stage 2 there is currently \$21,869 remaining budget. The budget shortfall on CW223019 is proposed to be sourced from the remaining funds on CW223000 and will be reflected as part of the Quarter 1 Capital Budget Review.



IMPLICATIONS

The main contract with Vassallo Constructions Pty Ltd for the Moranbah 400ML Raw Water Dam Remediation Works yielded significant cost savings.

Engaging Adept contractors will deliver local site and project specific knowledge and immediate availability to effect repairs to the reservoir embankment. Without prompt repair the embankment is likely to experience a deterioration of asset condition.

Approval to award the rectification works using an exemption allows the works to be completed and will also ensure compliance with legislative requirements relating to procurement of services.

CONSULTATION

- Director Water and Waste
- Water and Waste Project Managers
- Principal's Representative
- Acting Manager Financial Services
- Manager Contracts and Procurement

BASIS FOR RECOMMENDATION

The recommendation will enable compliance procurement requirements under s235 of the *Local Government Regulations* (2012).

ACTION ACCOUNTABILITY

Manager – Contracts and Procurement; is accountable for compliance with s235 of the *Local Government Regulations* (2012), and the Procurement Policy.

Manager Planning and Projects is accountable for delivery of the rectification works.

KEY MESSAGES

The exceptions to the *Local Government Regulations 2012* under s235 (b) require Council resolution to ensure compliance.

Report prepared by:

Report authorised by:

AMAL MEEGAHAWATTAGE

SCOTT CASEY

Manager Planning and Projects

Director Water and Waste

Date: 11 Sep 2024

Date: 11 Sep 2024

ATTACHMENTS

- CONFIDENTIAL Attachment 1 Procurement exception form
- CONFIDENTIAL Attachment 2 Adept Contractors Pty Ltd Quotation 7599 dated 8 Sep 2024

REFERENCE DOCUMENT

- Local Government Regulations 2012
- IRC Procurement Policy
- IRC Local Preference Policy





MEETING DETAILS	Water and Waste Standing Committee Wednesday 18 September 2024
AUTHOR	Scott Casey
AUTHOR POSITION	Director Water and Waste

6.1 WATER AND WASTE INFORMATION BULLETIN – AUGUST 2024

EXECUTIVE SUMMARY

The Water and Waste Directorate Information Bulletin for August 2024 is provided for Committee review.

OFFICER'S RECOMMENDATION

That the Committee recommends that Council:

1. Notes the Water and Waste Directorate Information Bulletin for August 2024.

BACKGROUND

The attached Information Bulletin for August 2024 provides an operational update for Committee review on the Water and Waste Directorate.

IMPLICATIONS

Any specific implications or risks will be outlined in the Information Bulletin

CONSULTATION

Water and Waste Directorate Managers and Staff.

BASIS FOR RECOMMENDATION

This is an information only report.

ACTION ACCOUNTABILITY

Information only report.

KEY MESSAGES

Operational update to the Elected Members.

Report prepared by:

SCOTT CASEY

Director Water and Waste

Date: 4 September 2024

ATTACHMENTS

• Attachment 1 – Water and Waste Information Bulletin – August 2024

REFERENCE DOCUMENT

Nil