



Shire of
Wongan-Ballidu

Minutes (Confirmed)

Special Meeting of Council
Tuesday, 9 April 2024



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Item 1. OFFICIAL OPENING

The Shire President declared the meeting open at 4:42pm

Item 2. ATTENDANCE AND APOLOGIES

Attendees:

Cr Mandy Stephenson	Shire President
Cr Dwight Coad	Deputy Shire President
Cr Stuart Boekeman	Member
Cr Geoffrey Chambon	Member
Cr Elyssa Giedraitis	Member
Cr Matthew Sewell	Member
Cr Sue Starcevich	Member

Apologies:

Nil

Leave of Absence Previously Granted:

Nil

Staff:

Stuart Taylor	Chief Executive Officer
Stephen Casey	Manager Works and Services

Item 3. OFFICER REPORT

3.1 2023-2024 MOCARDY DAM MAINTENANCE

FILE REFERENCE:	
REPORT DATE:	28th March 2024
APPLICANT/PROPONENT:	Shire of Wongan-Ballidu
OFFICER DISCLOSURE OF INTEREST:	Nil
PREVIOUS MEETING REFERENCES:	Nil
AUTHOR:	Stephen Casey (MWS)
ATTACHMENTS:	Cementcrete Composite Blanket Information

PURPOSE OF REPORT:

The purpose of this report is to provide sufficient information summarising the repairs required at Mocardy Dam

BACKGROUND:

The Shire of Wongan-Ballidu acquired Mocardy Dam from the Water Corporation in 2009. Since its acquisition, the dam has played a vital role in the Shire's water management infrastructure, particularly in drought prevention efforts. With the installation of an 8km pipeline linking the dam to other water storage facilities, it has become an indispensable asset in safeguarding Shire assets against water scarcity. However, due to its age and lack of ongoing maintenance, the dam recently experienced a significant failure in the inlet spillway, posing immediate risks to its functionality.

Mocardy Dam, constructed in the late 1950s and early 1960s, has suffered a notable failure in its inlet spillway, necessitating urgent attention. This failure presents immediate risks to the Shire's water supply and infrastructure, requiring prompt action to address the situation effectively. Failure to address this issue promptly may lead to further deterioration of the dam's condition and intensify the potential consequences for the Shire.

COMMENT:

To address the significant failure of the spillway, the following steps will be taken:

1. Draining of the dam: Firstly, the dam will be drained of water to facilitate repair works.
2. Engagement of civil contractor: A civil contractor will be engaged to carry out the necessary repairs. This includes removing the existing damaged spillway and conducting extensive repairs to the dam where it has washed out.



Damage to Existing Spillway

3. Sourcing of materials: Approximately fifty tonnes of bentonite will be sourced from Watheroo for the repair works.
4. Reconstruction of spillway: Once the damaged area has been prepared, a gravel layer will be placed over the top, and wing walls will be formed to direct the water flow.
5. Installation of Cementcrete Composite Blanket: Following the formation of the spillway, a Cementcrete Composite Blanket will be laid over the repaired area. It is anticipated that approximately two hundred square meters will be replaced. Additionally, the blanket will be anchored to the bank to ensure stability.

By implementing these measures, we aim to effectively repair the spillway and restore the functionality and safety of the dam.

Cementcrete Composite Blanket is water hardening, corrosion resistance, erosion resistance and high temperature resistance. It has a fifty-year life expectancy.



Examples of Applications

CONCLUSION

The significant failure at Mocardy Dam requires swift and decisive action to ensure the safety and functionality of the dam and mitigate risks to the Shire's water supply and infrastructure. By implementing the proposed objectives and recommendations, we can effectively address the emergency situation. Further discussion will be required around the ongoing maintenance of Shire water catchment areas and the cost associated.

POLICY REQUIREMENTS:

NIL

LEGISLATIVE REQUIREMENTS:

NIL

STRATEGIC IMPLICATIONS:

Mocardy Dam is specifically referenced in our Strategic Community Plan under the Goal *"Lead by example for sustainability practices, both environment and business"* The strategies and actions for this goal include *"Maintain Mocardy Dam as a local water source."* and *"Support a coordinated approach to local water resource, management including the use of Mocardy Dam."*

SUSTAINABILITY IMPLICATIONS:

- Environment
There are significant environmental implications. With the lost of water harvesting capabilities and the potential for the dam to start leaking should the repair not be carried out, there could be the potential for significant impacts to the surrounding ecosystem.
- Economic
There are significant economic implications. The loss of Mocardy Dam's ability to harvest water increases the Shire of Wongan-Ballidu's reliance on scheme water to water our assets.
- Social
There are no significant social implications.

FINANCIAL IMPLICATIONS:

Budget

The estimated cost of the project is \$50,000. We will require to access the Special Projects Reserve to fund the repair.

VOTING REQUIREMENTS:

ABSOLUTE MAJORITY REQUIRED: Yes

MOVED: Cr COAD

SECONDED: Cr BOEKEMAN

That Council

1. Allocate \$50,000 from the Special Projects Reserve to conduct substantial maintenance on the inlet spillway of Mocardy Dam.

CARRIED BY ABSOLUTE MAJORITY: 7/0

RESOLUTION: 150324


For:

Against:

Cr M Stephenson
Cr D Coad
Cr S Boekeman
Cr G Chambon
Cr E Giedraitis
Cr M Sewell
Cr S Starceвич

ITEM 4. MEETING CLOSURE

Shire President, Cr Stephenson declared the meeting closed at 4:43pm.



Signed by:
Cr Stephenson
Shire President

24-4-24
Date