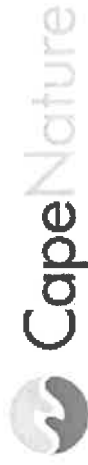

Maboee

From: Ismat Adams <iadams@capenature.co.za>
Sent: Tuesday, 31 January 2023 08:40
To: Maboee
Subject: RE: maboee@enviroafrica.co.za sent you New Wave Dam pre-application Scoping Report (16/3/3/6/7/2/F3/16/3058/2022) via WeTransfer

The responses are satisfactory, thank you.

Kind regards,

Ismat Adams
Land-Use Scientist | Landscape West
Conservation Operations
t: 087 087 3188



From: Maboee <maboee@enviroafrica.co.za>
Sent: Thursday, 26 January 2023 13:31
To: Ismat Adams <iadams@capenature.co.za>
Subject: RE: maboee@enviroafrica.co.za sent you New Wave Dam pre-application Scoping Report (16/3/3/6/7/2/F3/16/3058/2022) via WeTransfer

Caution: This is an external email and may be malicious. Please take care when clicking links or opening attachments.

Hi Ismat,

Please find the response from EnviroAfrica and the appointed freshwater specialist to your comment on the New Wave Dam development proposal.

Your comment is included in black font and the response thereto is in red font:

1. It is understood the dam will be used to store ELU water and is an off-channel dam. It is clear from the site verification survey and botanical compliance statement that the proposed dam development area has been transformed by agricultural activity. The development site is also unselected as per the WCBSP, but lies adjacent to the mapped NFEPA Olifant's River. **Noted.**
2. **There are no botanical or faunal to the development. The botanical compliance statement is accepted and all recommendations must be implemented.** **Noted.**
3. Regarding the aquatic assessment:
 - 3.1 The assessment proposes erosion control and stormwater management especially regarding the dam wall. What are the methods to be used to achieve such mitigation? It has now become clear that the toe of the new wave dam wall must be paved, as the wall touches upon the 1 in 100 year floodline. Paving can be of concrete, but rock and cement will suffice. This was taken up with Bester Engineers of Ceres and they will add this to the primary design of the dam wall.
 - 3.2 The assessment recommends revegetation of the dam wall that must be implemented during the dry season and complete by the next wet season. It is doubtful whether this is possible. Furthermore and more importantly, vegetation of the dam wall will not runoff erosion which would pose a risk of sedimentation into the Olifant's river. A better method of erosion control that poses low risk of sedimentation of the Olifant's river needs to be presented. The rehabilitation / vegetation of the earthen dam wall must be overseen by a specialist in this field, of which there are several in our area. This is quite possible, especially with the help of suitable irrigation. I have referred the engineers to the books of Ken Coetzee (Caring for Natural Rangelands, 2005), where there are a number of ways to deal with exposed and disturbed places, of which an appropriate one or a combination can be selected. But then a rehabilitation specialist will know what to do. Please note that this is a low rainfall area, tantamount to semi-desert conditions and that major erosion is unlikely. There are many exposed walls and declines where vineyards have been levelled against the slopes around Trawal and along the river and these walls do not show signs of much erosion.
 - 3.3 The cumulative impact of the dam has not been assessed and must be assessed in the context of available data on illegal dams/water use, and indirect downstream effects resulting from abstraction. It is understood that the assessment has indicated that abstraction impact was not assessed due to the dam being for ELU. However, the current ecological water reserve as per DWS recent reserve study needs to be considered as current ELUs might be over-allocated and need to be reduced, which would impact the required dam size, or whether this development is feasible. The proponent does not have the authority to implement this advice. The proponent can only make the means to abstract the amount of water that the proponent is lawfully allowed to abstract. It is only the National Department of Water and Sanitation that has the authority to investigate how much existing usage of water is lawful and how much is unlawful and decide whether over-allocation of ELUs exists or not and what necessary action to take in response to the findings.

Kind regards,

Maboee Nthejane



EnviroAfrica cc

p: +27 21 851 1616 m: 084 037 2477

f: +27 86 512 0154

a: Unit 7, Pastorie Park, Reitz St, Somerset West 7130

P. O. Box 5367, Helderberg 7135

w: www.enviroafrica.co.za e: info@enviroafrica.co.za

From: Ismat Adams <iadams@capenature.co.za>

Sent: Wednesday, 03 August 2022 15:48

To: Maboee <maboee@enviroafrica.co.za>; Marius Wheeler <mwheeler@capenature.co.za>

Cc: 'Margaret | Enviro Africa' <info@enviroafrica.co.za>; Bernard de witt <bernard@enviroafrica.co.za>

Subject: RE: maboee@enviroafrica.co.za sent you New Wave Dam pre-application Scoping Report (16/3/3/6/7/2/F3/16/3058/2022) via WeTransfer

Good day

Herewith CapeNature's comment on this application.

1. It is understood the dam will be used to store ELU water and is an off-channel dam. It is clear from the site verification survey and botanical compliance statement that the proposed dam development area has been transformed by agricultural activity. The development site is also unselected as per the WCBSP, but lies adjacent to the mapped NFEPA Olifant's River.

2. There are no botanical or faunal to the development. The botanical compliance statement is accepted and all recommendations must be implemented.
3. Regarding the aquatic assessment:
 - 3.1 The assessment proposes erosion control and stormwater management especially regarding the dam wall. What are the methods to be used to achieve such mitigation?
 - 3.2 The assessment recommends revegetation of the dam wall that must be implemented during the dry season and complete by the next wet season. It is doubtful whether this is possible. Furthermore and more importantly, vegetation of the dam wall will not runoff erosion which would pose a risk of sedimentation into the Olifant's river. A better method of erosion control that poses low risk of sedimentation of the Olifant's river needs to be presented.
 - 3.3 The cumulative impact of the dam has not been assessed and must be assessed in the context of available data on illegal dams/water use, and indirect downstream effects resulting from abstraction. It is understood that the assessment has indicated that abstraction impact was not assessed due to the dam being for ELU. However, the current ecological water reserve as per DWS recent reserve study needs to be considered as current ELUs might be over-allocated and need to be reduced, which would impact the required dam size, or whether this development is feasible.

CapeNature reserves the right to revise initial comments and request further information based on any additional information that may be received.

Kind regards,

Ismat Adams
Land-Use Scientist | Landscape West
Conservation Operations
t: 087 087 3188



From: Maboeë <maboeë@enviroafrica.co.za>
Sent: Monday, 01 August 2022 15:20
To: Ismat Adams <iadams@capenature.co.za>

Cc: 'Margaret | Enviro Africa' <info@enviroafrica.co.za>; Bernard de witt <bernard@enviroafrica.co.za>
Subject: RE: maboee@enviroafrica.co.za sent you New Wave Dam pre-application Scoping Report (16/3/3/6/7/2/F3/16/3058/2022) via WeTransfer

Hi Ismat,

Please find attached hereto, the kmz file as per your request.

Regards,

Maboee

From: Ismat Adams <iadams@capenature.co.za>
Sent: Monday, 01 August 2022 14:21
To: Maboee <maboee@enviroafrica.co.za>
Subject: FW: maboee@enviroafrica.co.za sent you New Wave Dam pre-application Scoping Report (16/3/3/6/7/2/F3/16/3058/2022) via WeTransfer

Good day

Please urgently send on Google Earth KML files or QGIS shapefiles of the development footprint.

Kind regards,

Ismat Adams
Land-Use Scientist | Landscape West
Conservation Operations
t: 087 087 3188



From: WeTransfer <noreply@wetransfer.com>
Sent: Friday, 01 July 2022 11:38
To: Ismat Adams <iadams@capenature.co.za>
Subject: maboee@enviroafrica.co.za sent you New Wave Dam pre-application Scoping Report (16/3/3/6/7/2/F3/16/3058/2022) via WeTransfer



maboee@enviroafrica.co.za
sent you New Wave Dam pre-
application Scoping Report
(16/3/3/6/7/2/F3/16/3058/2022)

21 items, 29.2 MB in total • Expires on 8 July, 2022

New Wave Dam pre-application Scoping Report
(16/3/3/6/7/2/F3/16/3058/2022) Dear commenting Authority or
Interested and Affected Party,

Please find attached hereto, the pre-application Scoping Report and
associated appendices for the above-mentioned development
proposal.

Please provide your comment on the proposed development to
EnviroAfrica within 30 days of today.

Kind regards,

Maboee Nthejane



Download link

<https://wettransfer.com/downloads/663624241579e432739712dc4f96dd4820220701093551/f35b4e90bda9fe330c53b0c0f0ba799a20220701093658/9f0a34>

21 items

APPENDICES (OF NOI).pdf

5.26 MB

APPENDIX 1B- Notices and letter drops.pdf

1.41 MB

APPENDIX 1C- I&APs and authorities.pdf

69.6 KB

APPENDIX 2B -ENGINEERING DESIGNS REPORT.pdf

3.71 MB

APPENDIX 2C- ENGINEERING DESIGNS REPORT (WITH LAYOUT PLANS).pdf

3.06 MB

APPENDIX 2F- PROOF OF HAVING APPLIED FOR A WULA.pdf

69.1 KB

+ 15 more

To make sure our emails arrive, please add noreply@wetransfer.com to [your contacts](#).

[About WeTransfer](#) · [Help](#) · [Legal](#) · [Report this transfer as spam](#)

▪ **Disclaimer: This electronic message and any attachments is intended for the addressee only and is confidential and privileged. If you have received this message in error, please delete it and notify the sender. If the reader of this message is not the intended recipient, you are hereby notified that any unauthorised use, copying, or dissemination is prohibited. CapeNature shall not be liable for the message if altered, changed, or falsified. Any unauthorised disclosure may be unlawful. CapeNature does not warrant that this message or any attachment is free of viruses. CapeNature accepts no liability or legal responsibility for any damages resulting directly or indirectly from accessing this electronic message or the attachment.**

Disclaimer: This electronic message and any attachments is intended for the addressee only and is confidential and privileged. If you have received this message in error please delete it and notify the sender. If the reader of this message is not the intended recipient, you are hereby notified that any unauthorised use, copying or dissemination, is prohibited. CapeNature shall not be liable for the message if altered or falsified. Any unauthorised disclosure may be unlawful. CapeNature does not warrant that this message or any attachment is free of viruses. CapeNature accepts no liability or legal responsibility

for any damages resulting directly or indirectly from accessing this electronic message or the attachment

Disclaimer: This electronic message and any attachments is intended for the addressee only and is confidential and privileged. If you have received this message in error, please delete it and notify the sender. If the reader of this message is not the intended recipient, you are hereby notified that any unauthorised use, copying, or dissemination is prohibited. CapeNature shall not be liable for the message if altered, changed, or falsified. Any unauthorised disclosure may be unlawful. CapeNature does not warrant that this message or any attachment is free of viruses. CapeNature accepts no liability or legal responsibility for any damages resulting directly or indirectly from accessing this electronic message or the attachment.

Disclaimer: This electronic message and any attachments is intended for the addressee only and is confidential and privileged. If you have received this message in error please delete it and notify the sender. If the reader of this message is not the intended recipient, you are hereby notified that any unauthorised use, copying or dissemination, is prohibited. CapeNature shall not be liable for the message if altered or falsified. Any unauthorised disclosure may be unlawful. CapeNature does not warrant that this message or any attachment is free of viruses. CapeNature accepts no liability or legal responsibility for any damages resulting directly or indirectly from accessing this electronic message or the attachment

Disclaimer: This electronic message and any attachments is intended for the addressee only and is confidential and privileged. If you have received this message in error please delete it and notify the sender. If the reader of this message is not the intended recipient, you are hereby notified that any unauthorised use, copying or dissemination, is prohibited. CapeNature shall not be liable for the message if altered or falsified. Any unauthorised disclosure may be unlawful. CapeNature does not warrant that this message or any attachment is free of viruses. CapeNature accepts no liability or legal responsibility for any damages resulting directly or indirectly from accessing this electronic message or the attachment