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Defence Works Formation  
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REPUBLIC OF SOUTH AFRICA

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0700

21 September 2023

Mr H. Reid  
Managing Director Parivision  
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Benoni  
1500

Mr Reid

### **MOKOPANE AND SEKURUWE PROJECTS**

1. Refer to our telephone conversation as well as the attached summaries of the two mentioned projects, which was received from your office.
2. As far as this Headquarters can determine as based on the projects summaries and attached maps, the SANDF will not be affected by the planned developments. Should either of these projects however escalate during future planning and/or additional requirements, it will be required that the SANDF assess those and issue a new stand on affairs.
3. Thank you for your support and concern in this regard.

Yours sincerely

(S. MASHIGO)

**OFFICER COMMANDING REGIONAL WORKS UNIT LIMPOPO: CAPT (SAN)**



Lelapha la Bafihemelo, Umnyango wezokuVikela, Xhosa ya Tshireletso, iSebe laseKhutelo, Department of Defence, Mkhatho wa Tindiziso  
UmNyango WezokuVikela, Ndzawulo ya swa Vusireheleni, Lelapha la Tshireletso, Departement van Verdediging, LITao leTokuikela

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## SUMMARY OF MOKOPANE WATER TREATMENT WORKS

**PROJECT TITLE:** OLIFANTS MANAGEMENT MODEL PROGRAMME BULK RAW WATER STUDY PHASE (OMMP-BRWSP) – MOKOPANE WATER TREATMENT WORKS NEAR MOKOPANE, IN THE LIMPOPO PROVINCE.

The Zutari Ndodana Joint Venture (ZNJV)<sup>1</sup> was previously appointed by the Trans-Caledon Tunnel Authority (TCTA), on behalf of the Department of Water and Sanitation (DWS) for the provision of professional services for the Olifants River Water Resources Development Project – Phase 2 (ORWRDP-2). Initially the Project comprised of the following phases:

- Phase 2A: Construction of De Hoop Dam
- Phase 2B: Pipeline from Flag Boshielo Dam to Pruissen near Mokopane (72km)
- Phase 2B+: New pipe for 2B extension, where existing raw water pipeline to Sekuruwe commences
- Phase 2C: Pipeline from De Hoop Dam to Groothoek
- Phase 2D: Pipeline from Steelpoort to Groothoek (24km)
- Phase 2E: Pipeline from Mooihoek to Havercroft Junction (14km)
- Phase 2F: Pipeline from Havercroft Junction to Olifantspoort (44km)
- Phase 2G: Possible second pipeline parallel to Phase 2B
- Phase 2H: Changes and additions to the current Phase 2H (Lebalelo Network); and
- Phase 2I: Pipeline from the De Hoop Dam to the proposed Eskom Tubatse Pump-storage Hydro- electric Scheme (this Phase has been cancelled).
- Integration of the overall Olifants Management Model (OMM) Programme inclusive of the Southern Extension 2 Project Phases 1 and 2 implemented by others.

The ORWRDP-2 has since changed to the Olifants Management Model Programme Bulk Raw Water Study Phase (OMMP – BRWSP) in recent years, with the Lebalelo Water User Association (LWUA) acting as the implementing agent for the following portions of the project:

- ► Phase 2B
- ► Phase 2B+; and
- ► Phase 2F

LWUA, has appointed the ZNJV for the provision of professional services for the OMMP-BRWSP. The OMMP-BRWSP bulk infrastructure plan makes provision for the construction of raw water pipeline systems to the identified target areas. These bulk pipeline systems are now identified by their respective "Phase" number. The relevant bulk pipe that would augment raw water to the Mogalakwena system (i.e., for domestic and mine use) is the proposed Phase 2B pipeline. Phase 2B has been authorised by a revised Record of Decision (rRoD) (Ref: 12/12/20/553) issued in 2006 in terms of the Environmental Conservation Act, (No. 73 of 1989) (ECA). The proposed Water Treatment Works (WTW) are located in two locations along the alignment of Phase 2B+. This phase is an extension of Phase 2B and spans from Pruissen reservoir to Piet-se-Kop. The gravity pipeline has been authorised by EA (12/1/9/1-W120) and EA (12/19/1-W131). The OMMP-BRWSP bulk infrastructure plan makes provision for the construction of raw water pipeline systems to the identified target areas.

The Mogalakwena Local Municipality (MLM) is a Water Services Authority (WSA) as contemplated in the Water Services Act (No. 108 of 1997). Therefore, the municipality is responsible for the realisation of the right to access to basic water services: ensuring progressive realisation of the right to basic water services, subject to available resources (that is, extension of services), the provision of effective and efficient ongoing services (performance management, by laws) and sustainability (financial planning, tariffs, service level

choices, environmental monitoring). The WSA has developed a Water Services Development Plan (WSDP) in conjunction with master plans for water and sanitation.

The planning for water and wastewater services in Mogalakwena culminated in the Mogalakwena Water Master Plan (MWMP). As part of the MWMP, two new WTW are to be provided, namely a works serving the Mokopane Town with an ultimate capacity of 28MI/d and another servicing the areas north of Mokopane located near Sekuruwe Township with an ultimate design capacity of 21MI/d.

The technical features of the scheme proposed in the MWMP (for the ultimate scheme) include the following:

- A raw water pipe from the farm Pruissen (where it connects to the bulk water pipeline from Flag Boshielo Dam) to new a WTW. This works will supply potable water to Mokopane Central Business District (CBD) and town areas.
- The raw water pipe will continue from the WTW at Mokopane, northwards to the rural town area of Sekuruwe. At this point a second WTW will be constructed. This WTW will be able to provide potable water to mining clients and residents for various rural villages.
- Mining water users will also be able to draw water from the raw water line at various points towards Sekuruwe. This will be handled by means of offtake agreements.

This Basic Assessment Report (BAR) has been compiled for the Mokopane WTW situated along the Phase 2B+ pipeline alignment. LWUA is proposing to construct the Mokopane WTW and associated infrastructure near the town of Mokopane in the MLM. The overall objective of the proposed development is to supply potable water for commercial and residential purposes.

## SUMMARY OF SEKURUWE WATER TREATMENT WORKS

**PROJECT TITLE:** OLIFANTS MANAGEMENT MODEL PROGRAMME BULK RAW WATER STUDY PHASE (OMMP-BRWSP) – SEKURUWE WATER TREATMENT WORKS NEAR SEKURUWE, IN THE LIMPOPO PROVINCE.

Zutari Ndodana Joint Venture (ZNV) was previously appointed by the Trans-Caledon Tunnel Authority (TCTA), on behalf of the Department of Water and Sanitation (DWS) for the provision of professional services for the Olifants River Water Resources Development Project – Phase 2 (ORWRDP-2). Initially the Project comprised of the following phases:

- Phase 2A: Construction of De Hoop Dam
- Phase 2B: Pipeline from Flag Boshielo Dam to Pruissen near Mokopane (72km)
- Phase 2B+: New pipe for 2B extension, where existing raw water pipeline to Sekuruwe commences
- Phase 2C: Pipeline from De Hoop Dam to Groothoek
- Phase 2D: Pipeline from Steelpoort to Groothoek (24km)
- Phase 2E: Pipeline from Mooihoek to Havercroft Junction (14km)
- Phase 2F: Pipeline from Havercroft Junction to Olifantspoort (44km)
- Phase 2G: Possible second pipeline parallel to Phase 2B
- Phase 2H: Changes and additions to the current Phase 2H (Lebalelo Network); and
- Phase 2I: Pipeline from the De Hoop Dam to the proposed Eskom Tubatse Pump-storage Hydro- electric Scheme (this Phase has been cancelled).
- Integration of the overall Olifants Management Model (OMM) Programme inclusive of the Southern Extension 2 Project Phases 1 and 2 implemented by others.

The ORWRDP-2 has since changed to the Olifants Management Model Programme Bulk Raw Water Study Phase (OMMP – BRWSP) in recent years, with the Lebalelo Water User Association (LWUA) acting as the implementing agent for the following portions of the project:

- Phase 2B
- Phase 2B+; and
- Phase 2F

LWUA, has appointed the ZNV for the provision of professional services for the OMMP-BRWSP. The OMMP-BRWSP bulk infrastructure plan makes provision for the construction of raw water pipeline systems to the identified target areas. These bulk pipeline systems are now identified by their respective "Phase" number. The relevant bulk pipe that would augment raw water to the Mogalakwena system (i.e., for domestic and mine use) is the proposed Phase 2B pipeline. Phase 2B has been authorised by a revised Record of Decision (rRoD) (Ref: **12/12/20/553**) issued in 2006 in terms of the Environmental Conservation Act, (No. 73 of 1989) (ECA). The proposed Water Treatment Works (WTW) are located in two locations along the alignment of Phase 2B+. This phase is an extension of Phase 2B and spans from Pruissen reservoir to Piet-se-Kop. The gravity pipeline has been authorised by EA (**12/1/9/1-W120**) and EA (**12/19/1-W131**). The OMMP-BRWSP bulk infrastructure plan makes provision for the construction of raw water pipeline systems to the identified target areas.

The Mogalakwena Local Municipality (MLM) is a Water Services Authority (WSA) as contemplated in the Water Services Act (Act 108 of 1997). Therefore, the municipality is responsible for the realisation of the right to access to basic water services: ensuring progressive realisation of the right to basic water services, subject to available resources (that is, extension of services), the provision of effective and efficient ongoing services (performance management, by laws) and sustainability (financial planning, tariffs, service level

choices, environmental monitoring). The WSA has developed a Water Services Development Plan (WSDP) in conjunction with master plans for water and sanitation.

The planning for water and wastewater services in Mogalakwena culminated in the Mogalakwena Water Master Plan (MWMP). As part of the MWMP, two new WTW are to be provided, namely a works serving the Mokopane Town with an ultimate capacity of 28MI/d and another servicing the areas north of Mokopane located near Sekuruwe Township with an ultimate design capacity of 21MI/d.

The technical features of the scheme proposed in the MWMP (for the ultimate scheme) include the following:

- A raw water pipe from the farm Pruissen (where it connects to the bulk water pipeline from Flag Boshielo Dam) to new a WTW. TATER his works will supply potable water to Mokopane Central Business District (CBD) and town areas.
- The raw water pipe will continue from the WTW at Mokopane, northwards to the rural town area of Sekuruwe. At this point a second WTW will be constructed. This WTW will be able to provide potable water to mining clients and residents for various rural villages.
- Mining water users will also be able to draw water from the raw water line at various points towards Sekuruwe. This will be handled by means of offtake agreements.

This Basic Assessment Report (BAR) has been compiled for the Sekuruwe WTW situated along the Phase 2B+ pipeline alignment. LWUA is proposing to construct the Sekuruwe WTW and associated infrastructure located north of the town of Sekuruwe near the Mogalakwena Platinum Mine, in the Mogalakwena Local Municipality. The overall objective of the proposed development is to supply potable water for commercial and residential purposes.