

# NGAKA MODIRI MOLEMA DISTRICT MUNICIPALITY

GROOT MARICO AND ZEERUST  
WWTWs for NCOP SITE VISITS  
SEPTEMBER 2023



PRESENTATION  
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2. Status for Groot  
Marico WWTW

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WWTW

### 3. GROOT MARICO WWTW

THE FOLLOWING WERE ACHIEVED SINCE THE LAST VISIT BY NCOP

Reinstatement of the second aerator which was out of commission due to faulty soft starter

Removed the deflector plate that was hindering circulation of sludge in the system.

Refurbished and commissioned the diesel generator. Plant now operational during loadshedding

Cleaned the chlorine contact tank to remove sludge

Completed the design for recirculation of water from the lagoon to the ditch.

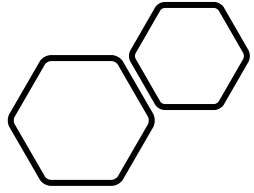
Introduced 24 hour shift operation

Developed Greendrop improvement plan for the plant

Flood light have been restored and working

Both sludge lagoons have been cleaned

Local community members have been appointed to assist with operation of the plant



GROOT MARICO

Operating with one aerator



Deflector installed



Operating with two aerator



Deflector removed



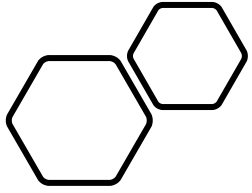
### 3. Old Zeerust WWTW

THE FOLLOWING WERE ACHIEVED SINCE THE LAST VISIT BY NCOP

- Completed construction in some areas where the contractor for the new
- Fixed the manual bar screen which was letting screenings and debris pass
- Removed, refurbished, reinstalled and commissioned motors and aerators
- Drained, clean and refurbished clarifier number 1 which was receiving raw sewage during construction
- Redesigned and rewired RAS and WAS MCC.
- Cleaned the sludge pond.
- Introduced 24 hour shift operation
- Developed Greendrop improvement plan for the plant



Completing construction that was meant to be completed by other contractor

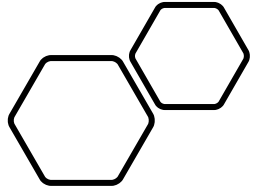


ZEERUST WWTW





# Installing refurbished motors and aerators



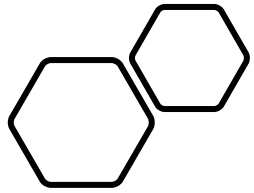
ZEERUST WWTW



# Condition of the plant after commissioning







ZEERUST WWTW

Condition of clarifier before refurbishment



MCC during refurbishment



Condition of the clarifier after commissioning



MCC after refurbishment

