

**THE EXPANSION OF THE EXISTING RESERVOIR SYSTEM LOCATED
ON THE REMAINDER OF ERF NO. 19909, WORCESTER**

DEA&DP Reference: 16/3/3/1/B2/32/1047/20

Draft CLOSURE AUDIT REPORT

Prepared for:

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6 February 2024



ABBREVIATIONS

BGCMA.....	Breede-Gouritz Catchment Management Agency
DEA&DP	Department of Environmental Affairs and Development Planning
DWS.....	Department of Water Affairs and Sanitation
EA	Environmental Authorization
EAP	Environmental Assessment Practitioner
ECO.....	Environmental Control Officer
EIA	Environmental Impact Assessment
EMP	Environmental Management Programme
ER	Engineer’s representative
DEO	Designated Environmental Officer
GNEC	Guillaume Nel Environmental Consultants
I&AP	Interested and Affected Parties

INTRODUCTION

This draft Closure ECO Report is distributed to the project team after the site audit was undertaken. The aim of the draft closure report is therefore to assist in identifying environmental related issues and/or concerns in order to take corrective action before the final closure report. The environmental findings reported in this report must please be remediated before the **final Closure Report** will be compiled.

PROJECT DESCRIPTION

The project entails the construction of an additional 20 Ml reservoir at the existing Pre-Loads Reservoir site on the Remainder of Erf No. 19909 in Worcester to increase the reservoir's current storage capacity of 45.85Ml. Both the proposed reservoir tank and associated pipelines will be located adjacent to the existing system. Two pipelines will be constructed (one to the north and one to the south of the existing footprint) to link the new reservoir with the existing pipeline, which runs to the town of Worcester. A cut-off trench will also be constructed below the new reservoir. This includes the portion of the access road, approximately 200m in length, that will be re-routed around and west of the additional reservoir. The expanded reservoir site will be fenced off.

GENERAL FINDINGS DURING SITE VISIT ON THE 31ST OF JANUARY 2024

Spoil areas

No spoil areas were used.

Stockpile areas

No stockpile areas were used during the project.

Topsoil

The topsoil was placed back on site, and rehabilitation will be done before winter, to allow for the best success.



Fuel storage

No fuel spills was noted on site.

Dust/mud

The construction area was left clean and no mud was observed.

Cement

Small- and large-scale cement batching must be done on mortarboards and/or on plastic sheeting that serves an impermeable surface to prevent cement water from infiltrating the soil. Please ensure that mortarboards and plastic sheeting is properly positioned to prevent any surface runoff. No cement batching may be done directly on the soil as cement water is highly alkaline and may change the pH of the soil causing decreased soil fertility. Mostly ready-mix concrete should preferably be used on site. The entire site must be monitored for any concrete spillages, all spillages must be disposed of at a registered Waste Landfill site. No concrete spillages/remains may be spoiled on site. No washing of concrete truck chutes is allowed on site without the proper impermeable sump area.

Compliance:

Small amount of cement dust was noted during the audit, the contractor is advised to please remove the cement dust to ensure that it does not infiltrate the soil.



Litter

All litter should be removed from site and appropriately disposed.



Please forward disposal receipts to the ECO and ER for record keeping.

Rubble

All the crushed material has been used for the backfilling of the reservoir.



Please forward disposal receipts to the ECO and ER for record keeping.

COMPLETION PICTURES



CONCLUSION

Once the findings were resolved to the approval of the ER, Client and Environmental Control Officer the Final Closure Audit Report will be compiled.

Compiled by:



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for GNEC