 Eskom	SOW	Camden Power Station
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Title: **Camden Power Station-
Replacement of the Water
Treatment Plant Drainage Pipe and
Discharge Valve**

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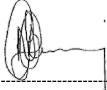



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1. Introduction

This document contains the technical information and a guideline for the replacement of the Water Treatment Plant drainage pipe and isolating valve. The existing drainage pipe is designed to collect water which has leaked from the service water pump gland packing and discharges it into the station drains. In 2021 there was a flooding incident in the Water Treatment Plant and it was discovered that the drainage pipe was not draining into the station drains instead there was a backflow.

2. Supporting Clauses

All construction works to be carried out on site during the Camden Power Station Water Treatment Plant drainage system replacement should be in accordance with SANS 1200G

2.1 Scope

The document provides details for Camden Power Station Water Treatment Plant drainage system replacement. This document includes standards and guidelines that should be adhered to. The technical information is applicable and incorporates the following scope:

- Excavate and trace the drainage pipe route.
- Supply and delivery of the new drainage pipe and the discharge valve (The pipe and the valve sizes and the material are to remain the same).
- Replace the existing drainage pipe and the discharge valve (The new pipe to be wrapped with biddim for corrosion protection).
- Backfill and level the area where excavation was carried out.
- The contractor shall provide all the equipment and spares required for executing this scope of work.

2.1.1 Purpose

The purpose of this document is to provide guidance of Camden Power Station Water Treatment Plant drainage system replacement.

2.1.2 Applicability

This document is applicable at Camden Power Station

2.1.3 Effective date

This document will be effective after it has been signed for Authorisation

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2.1.4 Normative References

- [1] ISO 9001 Quality Management Systems
- [2] OHSACT

2.1.5 Informative References

- [1] SANS 1200G - Standardized specification for civil engineering construction
- [2] SANS 1200 A General
- [3] SANS 1200 C Site clearance
- [4] SANS 1200 D Earthworks
- [5] SANS 2001-DP5 Part DP5: Stormwater drainage

2.2 Definitions

None

2.3 Abbreviations

Abbreviation	Explanation
CPS	Camden Power Station
ISO	International Organization for Standardization
OSH Act	Occupational Health and Safety Act
SANS	South African National Standards

2.4 Roles and Responsibilities

Auxiliary Engineering – Compile the SOW

Auxiliary Maintenance – Execute the SOW

2.5 Process for Monitoring

All construction activities will be monitored by Auxiliary Maintenance Department.

Auxiliary Engineering will issue the scope of work and will conduct the inspections during construction'


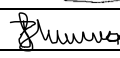
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3. Document Acceptance (Stakeholders)

This document has been seen and accepted by:

Name	Designation	Signatures
G. Nkuna	WTP Senior Engineer	
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4. Revisions.

Date	Rev.	Remarks	Compiler
January 2022	1.0	Original	N. Shozi

5. Development Team

None

6. Acknowledgements

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