

**Proposed construction of stormwater drainage and associated infrastructure at
Kusile Power Station, Mpumalanga**

**PRE-APPLICATION MEETING WITH THE DEPARTMENT OF WATER AND SANITATION
(DWS) – DRAFT MINUTES**

CLIENT : Eskom Holdings SOC Ltd
CONSULTANT : Zitholele Consulting (Pty) Ltd
PROJECT NO. : 22018
DATE : 3 October 2022
TIME : 09h00 to 10h00
VENUE : MS Teams
REFERENCE : 22018-01

PRESENT

| | | | |
|------------------------------|-----|----------------------------------|----|
| Ms. Natasha Lalie (ZC) | NL | Mr. Siphwe Mahlangu (Eskom) | SM |
| Nhlanhla Tshabalala (DFFE) | NT | Mr. Phathamandla Sithole (Eskom) | PS |
| Florence Dube-Jacobs (Eskom) | FDJ | Mr. Masala Nemukula (DWS) | MN |

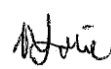
APOLOGIES

Dr. Mathys Vosloo (ZC) MV

| ITEM | DISCUSSION POINTS | ACTION, DATE |
|------|--|--------------|
| 1 | AGENDA | |
| 1.1 | The Agenda items were accepted by all as follows: <ol style="list-style-type: none">1. Welcome and Introductions2. Purpose of meeting3. Roles and Responsibilities4. Project Location and Description5. Overview of water use activities6. Specialist Studies7. DWS Requirements8. Discussion and way forward Refer to the presentation attached in Appendix 2. | Note |
| 2 | WELCOME AND INTRODUCTIONS | |
| 2.1 | NL opened the meeting and welcomed all attendees. All present introduced themselves. Refer to the Attendance Register in Appendix 1. | Note |

| | | |
|-----|--|------|
| 3 | PURPOSE OF MEETING | |
| 3.1 | <p>Refer to Appendix 2: Presentation slide</p> <p>NL indicated that the Wetland Delineation and Functional Assessment has been undertaken for the proposed stormwater drainage and associated infrastructure in the wetland. Section 21(c) and (i) water use activities are triggered for the proposed development.</p> <p>The Wetland Ecologist (Pr. Sci. Nat) has recommended that a General Authorisation (GA) process be undertaken, as the post mitigation impacts are 'low'. NL requested DWS to confirm if the project can be undertaken as a GA. MM replied that the DWS cannot confirm this. He indicated that a new Integrated Water Use License Application (IWULA) be undertaken. He added that a manual submission is not applicable and that the WULA be lodged via the Electronic Water Use Application and Authorisation System (E-WULAAS) portal.</p> | Note |
| 4 | PRESENTATION | |
| 4.1 | <p>Refer to Appendix 2: Presentation slide</p> <p>NL presented the following:</p> <ul style="list-style-type: none"> • Roles and Responsibilities • Project Location and Description • Overview of water use activities <p>NL added that the project is required as the existing overland conveyor system transferring mixed coarse ash and gypsum is operating without a stormwater system. The proposed stormwater drainage and associated infrastructure will convey ash-laden stormwater away from the wetland and into the Ash Dump Dirty Dam (ADDD). NL indicated that a Wetland and Aquatic Baseline and Impact Assessment was undertaken. Within a 500m radius of the site is a channeled valley bottom wetland. There are several proposed stormwater infrastructure that will be located within the 500m radius of the wetland.</p> <p>A portion of the proposed stormwater v-drain does not occur directly within the wetland as it will be constructed on the internal power station road underneath the conveyor. The wetland occurs underneath the road.</p> <p>A portion the groundwater outlet drain pipeline occurs within the wetland.</p> <p>Section 21 (c) and 21(i) water use activities are therefore triggered, due to the occurrence of the wetland which is directly affected by the proposed construction activities and the occurrence of proposed infrastructure within 500m of the wetland.</p> | Note |
| 5 | SPECIALIST STUDIES | |
| 5.1 | Refer to Appendix 2: Presentation slide | Note |

| | | |
|----------|--|------|
| | NL provided a list of Specialist Studies completed. DWS did not request for any additional Specialist Studies. | |
| 6 | DWS REQUIREMENTS | |
| 6.1 | <p>Refer to Appendix 2: Presentation slide</p> <p>MN indicated that an Integrated Water and Waste Management Plan (IWWMP) be compiled (including a Technical WULA Summary Report). He confirmed that the draft IWWMP must be made available for public review and comment for a period of 60 days.</p> <p>He confirmed that an Emergency and Contingency Plan is not required. However, a Maintenance and Management Plan is required.</p> <p>NL added that a Wetland Rehabilitation Plan has been undertaken.</p> | Note |
| 7 | DISCUSSION AND WAY FORWARD | |
| 7.1 | <p>MN added that he will open Phase 1 on the E-WULAAS portal. Once it is completed, he will open Phase 2 and request a site visit.</p> <p>MN stated that he is the DWS official who will review the application as the project site falls within his administrative area.</p> | |
| 8 | CLOSURE | |
| 8.1 | NL thanked all attendees for their participation and closed the meeting. With no further matters arising, the meeting ended at approximately 10h00. | Note |

| ACTION | FUNCTION | NAME | DATE | SIGNATURE |
|---------------|---|---------------------|-------------|---|
| Prepared | Environmental Assessment Practitioner (EAP) | Ms. N. Lalie | 24.10.2022 |  |
| Reviewed | Eskom Project Manager | Mr. S. Mahlangu | 01.11.2022 | Electronically signed |
| Approved | DWS | Mr. Masala Nemukula | | |

Appendix 1: Record of the meeting attendance

1. Summary

| | |
|-------------------------|--|
| Meeting title | 22018-Kusile Stormwater Infrastructure_DWS Pre-Application Meeting for General Authorisation |
| Attended participants | 8 |
| Start time | 22/10/03, 08:58:10 |
| End time | 22/10/03, 09:56:11 |
| Meeting duration | 58m 1s |
| Average attendance time | 52m 58s |

2. Participants

| Name | First join | Last leave | In-meeting | Participant ID (UPN) | Role |
|----------------------|--------------------|--------------------|------------|--------------------------|-----------|
| Jessica Morwasehla | 22/10/03, 08:59:02 | 22/10/03, 09:56:11 | 57m 4s | jessicam@zitholele.co.za | Presenter |
| Natasha Lalie | 22/10/03, 08:59:13 | 22/10/03, 09:56:11 | 56m 52s | Natashal@zitholele.co.za | Organiser |
| Nemukula Masala(BHT) | 22/10/03, 08:59:20 | 22/10/03, 09:44:45 | 45m 20s | NemukulaM@dws.gov.za | Presenter |
| Nhlanhla Tshabalala | 22/10/03, 09:01:00 | 22/10/03, 09:56:11 | 55m 5s | TshabaNI@eskom.co.za | Presenter |
| Siphiwe Mahlangu | 22/10/03, 09:02:20 | 22/10/03, 09:56:11 | 53m 46s | MahlanFS@eskom.co.za | Presenter |
| Phathamandla Sithole | 22/10/03, 09:02:59 | 22/10/03, 09:56:11 | 53m 11s | SitholPa@eskom.co.za | Presenter |
| Tselane Cele | 22/10/03, 09:03:53 | 22/10/03, 09:56:11 | 52m 16s | MoloiTL@eskom.co.za | Presenter |
| Florence Dube-Jacobs | 22/10/03, 09:05:54 | 22/10/03, 09:56:11 | 50m 13s | RadebeF@eskom.co.za | Presenter |

3. In-Meeting activities

| Name | Join time | Leave time | Duration | Role |
|----------------------|--------------------|--------------------|----------|-----------|
| Jessica Morwasehla | 22/10/03, 08:59:02 | 22/10/03, 09:56:11 | 57m 4s | Presenter |
| Natasha Lalie | 22/10/03, 08:59:13 | 22/10/03, 09:56:11 | 56m 52s | Organiser |
| Nemukula Masala(BHT) | 22/10/03, 08:59:20 | 22/10/03, 09:44:45 | 45m 20s | Presenter |
| Nhlanhla Tshabalala | 22/10/03, 09:01:00 | 22/10/03, 09:56:11 | 55m 5s | Presenter |
| Siphiwe Mahlangu | 22/10/03, 09:02:20 | 22/10/03, 09:56:11 | 53m 46s | Presenter |
| Phathamandla Sithole | 22/10/03, 09:02:59 | 22/10/03, 09:56:11 | 53m 11s | Presenter |
| Tselane Cele | 22/10/03, 09:03:53 | 22/10/03, 09:56:11 | 52m 16s | Presenter |
| Florence Dube-Jacobs | 22/10/03, 09:05:54 | 22/10/03, 09:56:11 | 50m 13s | Presenter |

Appendix 2: Presentation

PROPOSED CONSTRUCTION OF STORMWATER DRAINAGE AND ASSOCIATED INFRASTRUCTURE, KUSILE POWER STATION, NEAR DELMAS, MPUMALANGA

Department of Water and Sanitation (DWS):
Water Use License Application Pre-Application Meeting

Natasha Lalie
3 October 2022
22018

Presentation Structure

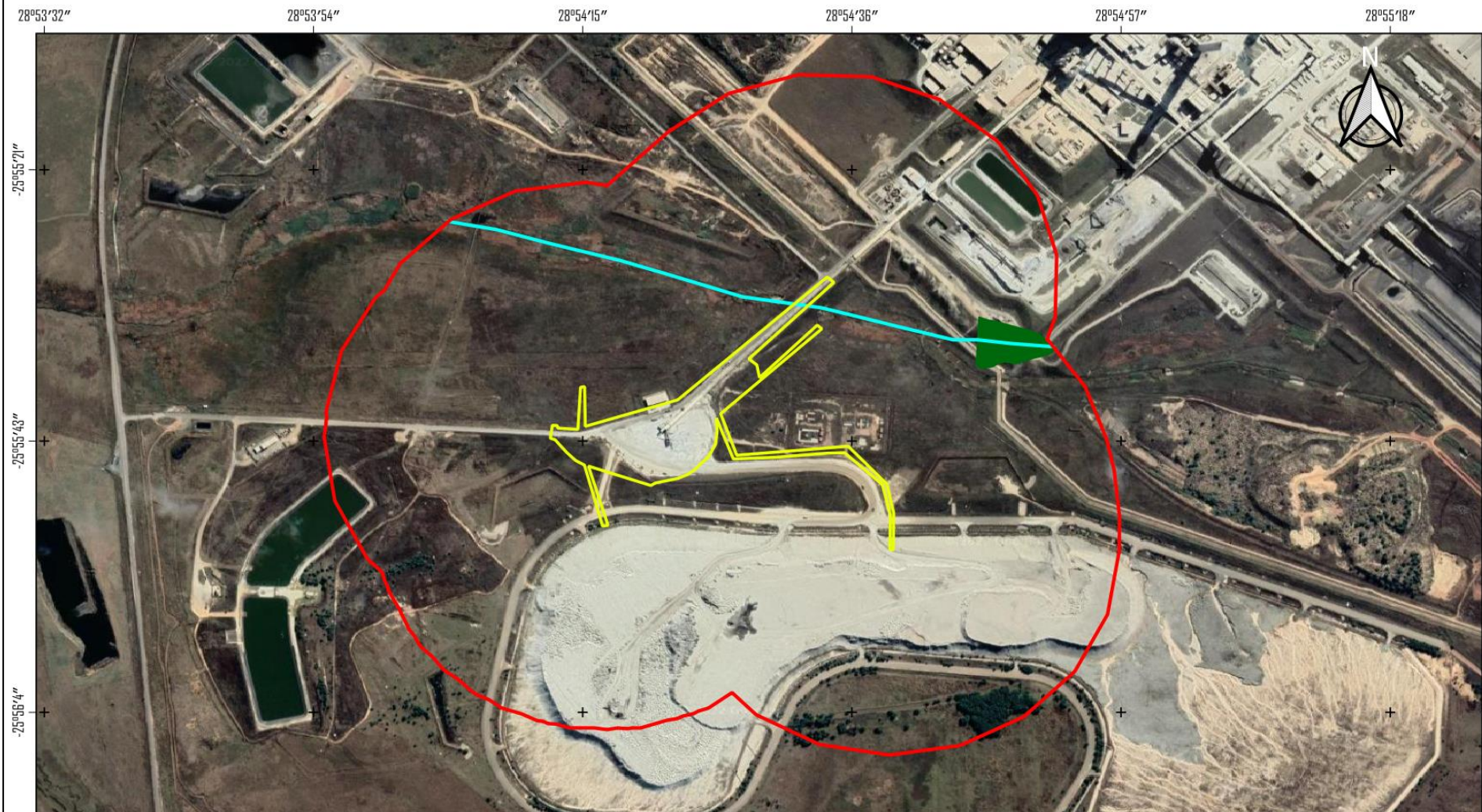
1. Welcome and Introductions
2. Purpose of meeting
3. Roles and Responsibilities
4. Project Location and Description
5. Overview of water use activities
6. Specialist Studies
7. DWS Requirements
8. Discussion and way forward

1. Purpose of Meeting

- Project background
- Wetland Delineation and Functional Assessment
- Proposed infrastructure in wetland - Section 21(c) and (i) water use activities
- Apply for a General Authorisation (GA) - post mitigation impacts are 'low'.
- Confirm DWS requirements

2. Roles and Responsibilities

- Applicant - Eskom Holdings SOC Ltd
- Environmental Consultant – Zitholele Consulting



the BIODIVERSITY company

Project: Kusile Stormwater
 Date: 06/09/2022
 Compiler: RS Piennar
 Datum: UTM 35S

Legend

| | |
|-----------------------|---------------------------|
| PAOI | Topographical River Lines |
| Development Footprint | Non-perennial |
| | Inland Water |
| | Dam |



3. Project Description

- Eskom Holdings SOC Ltd appointed Zitholele to undertake the Water Use Authorisation process for the construction of stormwater drainage and associated infrastructure at the Overland Conveyer (OLC) at the Kusile Power Station, Mpumalanga.

4. Overview of Section 21 water use activities

| No. | Water Use Activity | Description |
|------|---|--|
| 21 c | Impeding or diverting the flow of water in a watercourse | A channelled valley bottom wetland and depression wetland occurs within 500m of the proposed infrastructure for the stormwater drainage and associated infrastructure. The proposed stormwater V drain occurs within the 1: 100 year floodline. All of these crossings will therefore need to be licensed as per the GA. |
| 21 i | Altering the bed, banks, course or characteristics of a watercourse | As per the above. |

5. Specialist Studies

- Update the Wetland Delineation and Functional Assessment
- Floodline Assessment
- Stormwater Management Plan
- Geohydrological Impact Assessment
- Wetland Rehabilitation Plan

6. DWS Requirements

- Integrated Water and Waste Management Plan (IWWMP)
- Master Layout Plan (*existing infrastructure, pipelines, internal roads, water pipelines, associated infrastructure, wetlands and watercourses, 1: 100-year floodline and crossings of new infrastructure with the wetlands, watercourses and the floodlines, 500m regulated area of wetlands*).
- Format for presenting Master Layout Plans (*contours, wetlands and the 500m regulated area, 1: 100-year floodlines, surface flow patterns, ground water flow patterns*).
- Width, height, length of crossings (*Master Layout Plan*).
- Basic Design Drawings and Basic Design Report.
- Emergency and Contingency Plan.

6. DWS Requirements

- Method Statements
- Public Participation Process
- DW858, DW763, DW768, DW781/DW775, DW901, DW902, DW767 and DW780 forms.
- Title Deeds for application property (*proposed activities within Eskom-owned land*)
- Property zoning document
- Certified ID copy of applicant
- Company registration certificate
- Alternatives
- Environmental Management Programme
- Environmental Authorisation (EA)
- Clearance letter from Department of Land Affairs

7. Discussion and Way forward

Thank you