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|-----------------------------------------------------------------------------------|----------------------|-----------------------------|
|  | <b>Scope of Work</b> | <b>Kendal Power Station</b> |
|-----------------------------------------------------------------------------------|----------------------|-----------------------------|

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Chemical Dust  
Suppression Scope of  
Works**

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## **CONTENTS**

|                                             | <b>Page</b> |
|---------------------------------------------|-------------|
| <b>1. INTRODUCTION.....</b>                 | <b>3</b>    |
| <b>2. SUPPORTING CLAUSES.....</b>           | <b>3</b>    |
| 2.1 SCOPE .....                             | 3           |
| 2.1.1 Purpose.....                          | 3           |
| 2.1.2 Applicability .....                   | 3           |
| 2.2 NORMATIVE/INFORMATIVE REFERENCES .....  | 3           |
| 2.2.1 Normative .....                       | 3           |
| 2.2.2 Informative .....                     | 4           |
| 2.3 DISCLOSURE CLASSIFICATION.....          | 4           |
| 2.4 ABBREVIATIONS .....                     | 4           |
| 2.5 ROLES AND RESPONSIBILITIES .....        | 5           |
| 2.6 PROCESS FOR MONITORING .....            | 5           |
| 2.7 RELATED/SUPPORTING DOCUMENTS .....      | 5           |
| <b>3. DUST SUPPRESSION SCOPE .....</b>      | <b>6</b>    |
| 3.1 AREAS EXPOSED.....                      | 6           |
| 3.1.1 Area to be chemically suppressed..... | 6           |
| 3.1.2 Stacker head station.....             | 7           |
| 3.2 REQUIREMENTS .....                      | 7           |
| 3.2.1 Dust Suppression Solution .....       | 7           |
| 3.2.2 Environmental .....                   | 7           |
| 3.2.3 Safety .....                          | 7           |
| 3.2.4 Documentation.....                    | 7           |
| <b>4. AUTHORISATION .....</b>               | <b>8</b>    |
| <b>5. REVISIONS.....</b>                    | <b>8</b>    |
| <b>6. DEVELOPMENT TEAM .....</b>            | <b>8</b>    |
| <b>7. ACKNOWLEDGEMENTS.....</b>             | <b>8</b>    |

## **FIGURES**

|                                   |   |
|-----------------------------------|---|
| Figure 1: Kendal ADF Layout ..... | 6 |
|-----------------------------------|---|

### **CONTROLLED DISCLOSURE**

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## **1. INTRODUCTION**

This document is necessary to outline the technical requirements of the ash dust suppression scope and the area of exposed ash to be covered to prevent ash dust from spreading on the Ash Disposal Facility at Kendal Power Station.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This document will cover the scope of work for dust suppression service provider. Detailing the technical requirements of the dust suppression and the area of exposed ash to be covered to prevent ash dust at Kendal Power Station Ash Disposal Facility. The scope covers the technical aspects, environmental and safety only.

#### **2.1.1 Purpose**

The purpose of this document is to provide a scope of work for the sourcing of a Contractor for Kendal ADF, for supplying and applying dust suppression on ash to prevent dust fall. Which is in line with the National Dust Control Regulations (GNR 827). This contract will be valid for a period of 5 years (60 months) and the contractor shall provide the service on an as and when required basis.

#### **2.1.2 Applicability**

This document shall apply to Kendal Power Station.

## **2.2 NORMATIVE/INFORMATIVE REFERENCES**

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

### **2.2.1 Normative**

- [1] ISO 9001 Quality Management Systems.
- [2] Occupational Health and Safety Act (Act 85 of 1993) with applicable standards and regulations.
- [3] 32-95 OHS Incident Management Procedure Rev 9.
- [4] 32-136\_Contractor Health and Safety Requirements
- [5] 32- 421 Eskom Life Saving Rules.
- [6] 32-726 Standard Contract and Contractor OHS Management Rev. 3
- [7] 32-727 - Eskom Safety, Health, Environmental and Quality (SHEQ) Policy
- [8] National Environmental Management: Air Quality Act (No. 39 of 2004)
- [9] Kendal Ash Disposal Facility Water Use License
- [10] Kendal Ash Dump Waste License
- [11] The National Water Act (Act 36 of 1998) and Regulation GN 704 including other applicable regulations.
- [12] Ash Dump Environmental Management Plan.
- [13] Ash Dump Operational and Maintenance Manual

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### **2.2.2 Informative**

[1] Best Practice Guidelines (relevant and applicable).

## **2.3 DISCLOSURE CLASSIFICATION**

**Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

## **2.4 ABBREVIATIONS**

| <b>Abbreviation</b> | <b>Description</b>            |
|---------------------|-------------------------------|
| ADF                 | Ash Disposal Facility         |
| PPE                 | Personal Protective Equipment |
| MSDS                | Materials Safety Data Sheets  |
|                     |                               |
|                     |                               |
|                     |                               |
|                     |                               |
|                     |                               |

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## **2.5 ROLES AND RESPONSIBILITIES**

**Compiler:** Responsible to compile the document and to ensure that the content is integrated.

**Contractor:** The Contractor shall be responsible for the duties as defined in section 7, "Duties of the Contractor" of the Construction Regulations and all duties as defined by Contract data.

**Employer:** Eskom Holdings is the owner of the plant and has the responsibility of providing reliable electricity to the country.

**Functional Responsible:** The Functional Responsible person is responsible to approve the content of the document and assure its correctness before the document is submitted for authorization.

**Authorizer:** The document Authorizer is responsible to ensure that the correct processes were followed in developing this document and that the relevant stakeholders have been involved. The authorizer also reviews the document for alignment to business strategy, policy, objectives and requirements. He/she shall authorize the release and application of the document. Process for monitoring this document shall be utilized as a baseline document during the validation of design documentation during the various, subsequent design phases by using the Design Review Procedure and the Verification and Validation (V&V) process. Should the document require modification, the appropriate Project Engineering Change Procedure will be adhered to.

## **2.6 PROCESS FOR MONITORING**

N/A

## **2.7 RELATED/SUPPORTING DOCUMENTS**

N/A

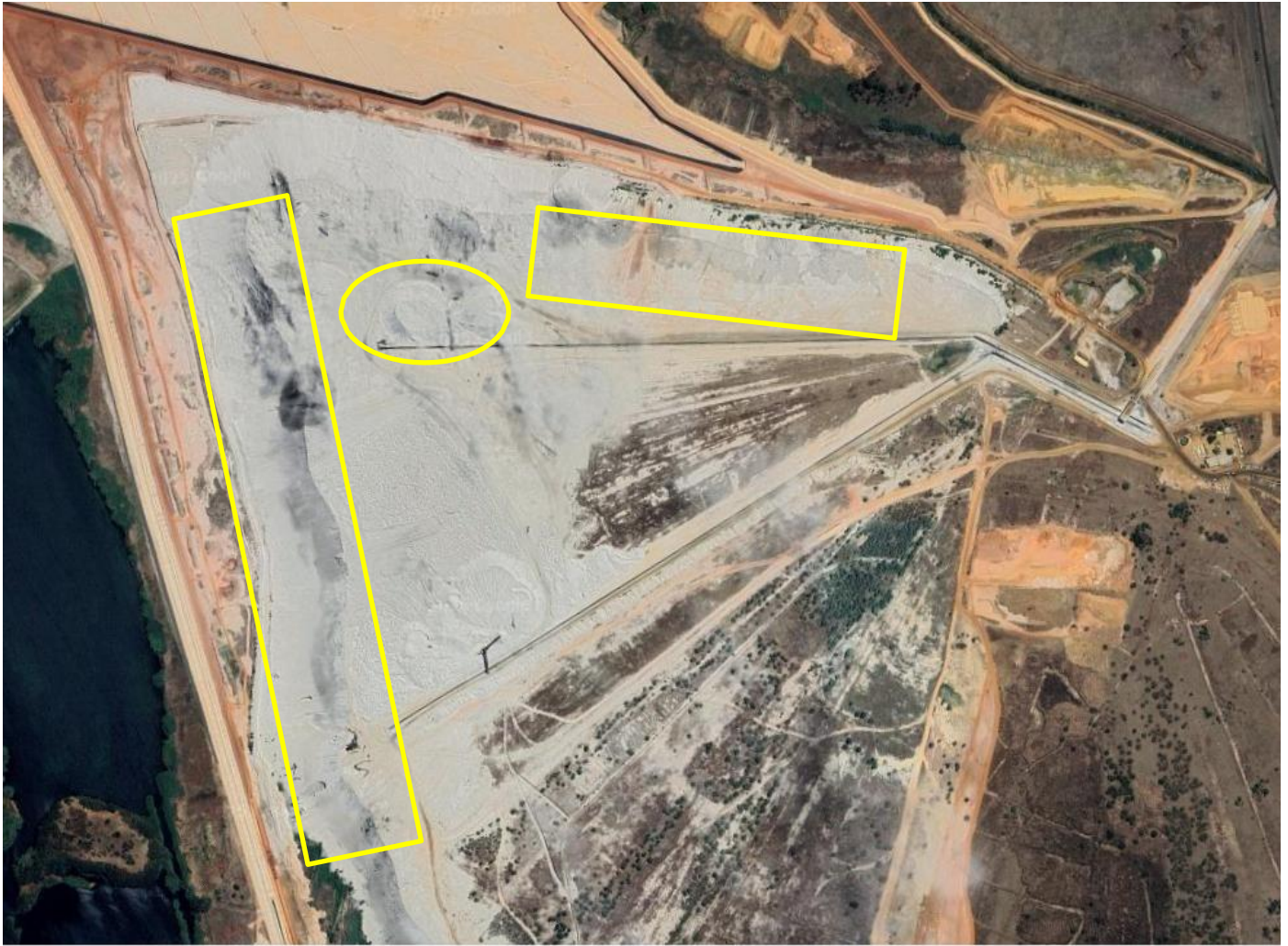
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### **3. DUST SUPPRESSION SCOPE**

#### **3.1 AREAS EXPOSED**

The working areas are divided into two, namely, Stacker Area and Spreader Area. However, the areas that require covering are forecast to be the inactive area (area to be chemically suppressed) on the facility as shown in Figure 1 below. These are areas no longer in use or areas with high hips of ash that have not been removed.



**Figure 1: Kendal ADF**

##### **3.1.1 Area to be chemically suppressed.**

- The ash hips on spreader side and all other ash hips that might develop.
- The inactive area in the ADF which is 25Ha totally.
- With the max height from the toe of the ADF being 65m.

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### **3.1.2 Emergency dump**

As in the figure 2 below, the emergency dump facility will require suppression when:

- Emergency dump facility to be covered when ash spends extended amount of time at the facility.
- Area to be suppressed when required- 3 Ha



**Figure 2: Kendal E-dump Facility.**

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## **3.2 REQUIREMENTS**

### **3.2.1 Dust Suppression Solution**

- The solution needs to be capable for ash dust suppression application.
- The dust suppression solution must produce a resilient, crack-resistant surface crust capable of accommodating substrate shifting without failure, thereby completely mitigating any possible dust particles emissions on the treated footprint.
- The solution minimum period for the binding to last must be at least 6 months.

### **3.2.2 Environmental**

All the materials to be utilized for dust suppression will need to be approved prior use by Eskom Environmental Department. The contractor is to supply Eskom with all Material Safety Data Sheets (MSDS).

### **3.2.3 Safety**

- Equipment to be used will need to be inspected by Eskom Safety Department for acceptance into Eskom premises.
- Plant to be utilized need to be capable of driving and navigate on unstable terrain (given the ash).
- Human resources will be subjected to vetting by Eskom Security Department and be in possession with access control.
- Contractor must make provision adequate PPE for personnel given the dust fall condition on an operational site.

### **3.2.4 Documentation**

- Contractor will need to compile the report after every application, detailing not limited to the area covered.

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#### **4. AUTHORISATION**

This document has been seen and accepted by:

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|                           |                               |

#### **5. REVISIONS**

| <b>Date</b> | <b>Rev.</b> | <b>Compiler</b> | <b>Remarks</b>       |
|-------------|-------------|-----------------|----------------------|
| March 2026  | 1.0         | M Mkhize        | Revision of original |
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#### **6. DEVELOPMENT TEAM**

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#### **7. ACKNOWLEDGEMENTS**

- N/A

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