 Eskom	Plan	Medupi Power Station Project
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Title: **Medupi Environmental Fire Management Plan**

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Area of Applicability: **Eskom Holdings SOC Ltd**




Functional Area: **Environmental Management**

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Compiled by	QA, Interface & Governance Review	Functional Responsibility	Authorized by
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1. Introduction

The Medupi Fire Management Plan aims to outline critical elements of managing potential fire risks in order to avoid or minimise fire incidents that can negatively affect property, human health and the environment.

2. Supporting Clauses

2.1 Scope

This document describes the approach in which:

- Fire prevention objectives and strategies are implemented;
- Response procedures for fire incidents will be undertaken.

This requires active involvement of both the Team Medupi and its Contractors. It is applicable to Medupi Power Station construction activities and excludes any areas that have been handed over to Eskom Generation Division.

2.1.1 Purpose

The purpose of the Medupi Fire Management Plan is to outline critical elements of managing potential fire risks as required by the National Veld and Forest Fire Act: 101 of 1998 and the Project's Environmental Authorisations, Permits and Licences. The Project aims to avoid or minimise fire incidents that can negatively affect property, human health and the environment.

2.1.2 Applicability

This plan is applicable to Medupi Power Station construction activities and excludes any areas that have been handed over to Eskom Generation Division.

2.1.3 Effective date

This document is effective from the date of authorisation.

2.2 Normative/Informative References

2.2.1 Normative

- [1] ISO 9001 Quality Management Systems
- [2] ISO 14001:2014 Environmental Management Systems, Requirements with guidance National Environmental Management Act, 1998 as amended, External
- [3] Occupational Health and Safety Act (Act No. 85 of 1993), External
- [4] Lephalale Disaster Management and Fire Protection, External
- [5] National Veld and Forest Fire Act (Act 101 of 1998) as amended, External

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[6] National Environmental Management Act (Act No. 107 of 1998) External

2.2.2 Informative

[1] 348-961711 Project Execution Plan

[2] 348-883902 Project Quality Plan

[3] 348-653867 Development and Change of Medupi QMS Documents

[4] 348-883808 Document and Record Management Procedure

[5] 200-35208 The Environmental Management Plan for the Medupi Coal-fired Power Station in the Lephalale Area, Limpopo Province – The Construction Phase

[6] 12/12/20/695 Record of Decision for the Medupi Project

[7] 12/9/11/L50/6 Ash Dump Waste Licence

[8] 12/12/20/2069 Raw water Dam & Pipeline Authorisation

[9] 240 91688868 Medupi Emergency Preparedness and Response Plan

[10] 348-693723 Environmental Incident Management

[11] 200-113709 Braai Application Form

[12] 200-73969 Procedure for the Identification and Application of Environmental Operational Controls

[13] 200-38426 Procedure for the handling of HSE Non-conformities and Corrective and Preventive Action

[14] 200-85677 Medupi Alien and Invasive Plant Species Management Plan

[15] 200-73979 Medupi Environmental Policy Statement Definitions

2.2.3 Term: definition

Term	Definition
Contractor	An employer who performs construction work and includes principal contractors. Contracted companies are specifically viewed as employers in their own right, as per the OHSAct.
Environment	The surrounding in which humans exist that is made up of: i. the earth's land, water and atmosphere, ii. micro-organisms, plant and animal life, iii. any part or combination of (i) and (ii) and the interrelationship among and between them and iv. the physical, chemical, aesthetic and cultural properties and conditions of the foregoing that influence human health and well-being.
Fire Team	The TM Fire team working as part of the Medupi emergency team.

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Pollution	The introduction of contaminants into the natural environment that cause adverse change.
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2.3 Abbreviations or Acronyms

Abbreviation or Acronym	Description
DCP	Dry Chemical Powder
DEA	Department of Environmental Affairs
ECO	Environmental Control Officer
EMP	Environmental Management Plan
FDI	Fire Danger Index
FPA	Fire Protection Association
PPE	Personal Protective Equipment
RoD	Records of Decision
TM	Team Medupi

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2.4 Roles and Responsibilities

a) Responsible

Those who do the work to achieve the task. There is at least one role with a participation type of responsible, although others can be delegated to assist in the work required.

b) Accountable (also approver or final approving authority)

The one ultimately answerable for the correct and thorough completion of the deliverable or task, and the one who delegates the work to those responsible. In other words, an accountable must sign off (approve) work that responsible provides. There **must** be only one accountable specified for each task or deliverable.

c) Consulted (sometimes counsel)

Those whose opinions are sought, typically subject matter experts; and with whom there is two-way communication.

d) Informed

Those who are kept up-to-date on progress, often only on completion of the task or deliverable; and with whom there is just one-way communication.

Table 1: RACI Matrix

Process Step/Activity	General Manager Medupi Project	TM Construction Manager	TM Unit Area Manager	TM Contracts Manager	TM Construction Site Support	Fire Risk Management Manager/Fire Co- ordinator	TM Environmental Manager	Environmental Practitioners	Emergency Team	Principal Contractors	ECO
Ensures that the requirements of this fire management plan are implemented	A,I	I	C,I	I	R	R,C	C,I, R	R	R,C	R,I	I
Requirements of National Veld and Fire Forest Act: 101 of 1998 and the Medupi EMP are complied with.	A,I	R,C, I	R, C,I	I	R,C, I	R	R,C, I	R,C, I	R	R, C,I	I
Develops the fire management plan which should form part of the EMP.	A,I	C,I	C,I	C,I	R,C, I	R,C	R,C	R,C, I	C,I	R, C,I	I
Included fire risk management in the employee and visitors SHE Induction programme as well as toolbox talks.	I	I	I	I	I	C,I	R	R	I	R,I	I
Ensure safety evacuation drills of personnel are conducted on a regular basis.	A,C, I	R,C, I	R, C,I	R,C, I	R,C, I	R	R,C, I	C,I	R,C, I	R, C,I	I
Ensure fire breaks are prepared and maintained and inspected along the boundary of the property	A,I	C,I	C,I	C,I	R	C,I	C,I	I	C,I	R	I
Ensure that there is adequate supply of suitable veld firefighting equipment with regard to size, construction and location of the workplace	A	C,I	C,I	C,I	C,I	R	C,I	C,I	C,I	C,I	I

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The Fire Management Plan will also be discussed at the Local Disaster Management Forum.	A	C,I,	C,I	C,I	C,I,	R	C,I	C,I,	C,I,	C,I	C,I
Training of fire wardens as per OHS Act, No. 85 of 1993 and fire fighters as per National Veld & Forest Fire Act, No. 101 of 1998 must be conducted for relevant site personnel.	A	C,I,	C,I	C,I	C,I,	R	C,I	C,I,	C,I,	C,I	C,I
Ensure braais are undertaken at designated areas only	A	R,	R	R	R	R	R,C ,I	R,C ,I,	R	R	I

2.5 Related/Supporting Documents

N/A

3. Document Content

TM and Contractors are responsible to ensure that the requirements of National Veld and Fire Forest Act: 101 of 1998 and the Medupi EMP are complied with.

The aim of National Veld and Fire Forest Act: 101 of 1998 is to prevent and combat veld and forest fires throughout the country. This Act places the duty on every owner on whose land a veld fire may start or burn, or from whose land it may spread, to prepare and maintain a fire break on his or her side of the boundary between his or her land and the adjoining land. Fires causing damage to neighbouring land may result in claims to the landowner if the requirements of this Act are not implemented adequately.

The ROD requires that Medupi develops the fire management plan which should form part of the EMP.

The fire season occurs in the winter period ranging from July to October. Furthermore between the months of August, September and October it is usually very windy in comparison to the other months of the year thus making this period very susceptible to fire.

3.1 Process Map / Flowchart

N/A

3.1.1 Objectives and Strategies

3.1.1.1 To prevent and reduce the risk of the occurrence of unplanned and deliberate human caused fire on the site.

Fire risk management shall be included in the employee and visitors SHE Induction programme as well as toolbox talks.

Communicate and enforce EMP requirements such as:

- No open fires allowed;
- Smoking only permitted at designated areas;
- The indiscriminate use of welding and grinding equipment, a hot works permit to be obtained prior to conducting these activities; and

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- No smoking/ fires allowed in the vicinity of fuel storage and filling areas and in any other areas where flammable materials are stored/used.

All health and safety statutory requirements must be followed so to ensure occurrence of fires are prevented.

Contractors are responsible to ensure that they have a fire management plan in place as well emergency procedure which covers fire aspects associated with their scope of work.

Provision of Braai permits are only to be held in locations approved in writing by TM Environmental Department.

3.1.1.2 To prevent and reduce loss of life and resources (buildings and equipment) on site from fire

Ensure safety evacuation drills of personnel are conducted on a regular basis. This will assist in ensuring that all personnel on site have knowledge and training of the fire response and evacuation procedure.

Ensure safety of fire fighters. All fire fighters must have proper firefighting PPE and appropriate training.

The firefighting team will prioritize suppression actions on fires that threaten damage to resources, personnel and environment.

Contractors together with TM must ensure that they prepare and maintain fire breaks along the property boundary.

3.1.1.3 Prevent the spreading of veld fire

Medupi Power Station Project is a member of Lephalale Fire Protection Association (FPA). The role of the FPA is to lay down minimum standards to be maintained by members in relation to all aspects of veld fire prevention and readiness for firefighting and to regulate controlled burning to conserve ecosystems and reduce fire danger.

Ensure fire breaks are prepared and maintained along the boundary of the property and any other areas that pose a fire hazard.

Ensure that there is adequate supply of suitable veld firefighting equipment with regard to size, construction and location of the workplace, and the amount and type of flammable articles used, handled or stored on the premises.

Personnel who notice the fires must ensure that the emergency team is alerted immediately so that they are able to extinguish the fires as fast as possible by using the site emergency telephone number (0781005614 /0147626911). The emergency team is responsible for contacting the local fire department in case additional resources are required.

3.1.1.4 General Implementation of other preparedness and prevention measures

The Fire management plans or fire related issues must be discussed at SHE meetings to make sure that all members are aware of concerns and procedures regarding response and related actions.

The Fire Management Plan will also be discussed at the Local Disaster Management Forum.

TM and contractors must be familiar with the emergency procedure that should be followed in the event of fire.

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Invasive alien and exotic plants will be removed and managed through procedure 200-85677 Alien and Invasive Plant Species Management Plan.

The emergency team can be contacted on a 24 hour call out.

The emergency teams must ensure that all required firefighting equipment is in good working condition and always ready in the case of fire emergency.

3.1.2 Fire Management Capacity

3.1.2.1 Manpower

All personnel in the firefighting team must have undergone a basic fire person training and be familiar with use of fire extinguishers, veld firefighting equipment and firefighting procedures.

Fire fighters must be appointed as competent and qualified firefighting personnel.

The Fire Risk Management Manager or Delegation shall assume the responsibilities of a Fire Co-ordinator.

3.1.2.2 Firefighting equipment

Adequate and appropriate firefighting equipment must be strategically placed at all hazardous chemical storage areas, offices and any potential fire risk areas.

All firefighting equipment must be periodically inspected and functionally tested and maintained.

TM and contractor firefighting teams must ensure that the following equipment's, that can mostly be used for veld fires are available onsite (see table A).

Table 2: Firefighting equipment

Firefighting equipment	Purpose
Firefighting equipment	
Fire beaters, rakes, spades, air blowers,	To extinguish veld fires
Skid unit (bakkie sakkie) including high pressure pumps & hoses	To extinguish veld fire
Fire truck	To support with water for extinguishing the fire
Radio sets and cell phones	For communication purposes
Ambulance with medical care	Will assist in case of injuries
Fire fighters PPE	
Fire retardant Overalls, cotton T-shirt; eye protection	Firefighting overalls are essential to prevent hot ashes into the air from coming into contact with the skin.

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Head torch	Is useful when firefighting at night
Gloves	When using equipment's such as fire beaters, rakes, spades to fight the fires for extensive periods of time, gloves are essential to prevent blisters, splinters etc.
Boots with socks	One get wet when firefighting. Wet socks can cause chaff and blisters.
Water bottles	Water is essential for fire fighters. Firefighting can be very strenuous causing fire fighters to become exhausted and dehydrated. Water in fire engines, helicopters etc., is often not fit for human consumption, and should never be relied upon as a drinking water source
Hardhats	Helping to protect the fire fighter

3.1.3 Fire management measures

3.1.3.1 Fire detection

Veld fire detection will rely on all site personnel, neighbours, visitors and members of the public notifying the site emergency team.

3.1.3.2 Communication

Cell phones and two way radios will be used as communication systems during the event of a fire.

All personnel onsite must be informed about the site emergency numbers 0781005614 /0147626911. The emergency team consisting of various parties such as TM, contractors, police, medical centre, etc. must also be informed by the Fire Co-ordinator.

The emergency numbers must also be posted conspicuously inside site offices, security checkpoints and any other areas deemed necessary.

3.1.3.3 Fire Danger Rating System

The sole purpose of any Fire Danger Rating System is to attempt to indicate with a rating on the likelihood of a fire occurring during a predefined period due to specific climatic conditions.

The South African Weather Services (SAWS) each day develops a rating for the day and a prediction for the following day. This is in the form of a number and associated colour coding (refer to www.weathersa.co.za).

TM and Contractor emergency teams will when necessary check the Fire Danger Index (FDI) of local/regional fire danger ratings. The fire danger rating index on Table 3 indicates the meanings of colours used as well as management measures to be put in place.

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Table 3: Fire Danger Index

Fire Danger Index	Fire Conditions	Fire management preparation
Blue	Very safe fire conditions	<ul style="list-style-type: none"> • None
Green	Moderate to safe fire conditions	<ul style="list-style-type: none"> • Standby operational on a roster basis • Proactive fire management measures undertaken as planned
Yellow	Moderate to high fire conditions	<ul style="list-style-type: none"> • Standby operational on a roster basis • Limited/no proactive burning interventions • Open fires only permitted in authorised fireplaces
Orange	High fire condition	<ul style="list-style-type: none"> • Standby operational on a roster basis • No proactive burning interventions • Open fires only permitted in authorised fireplaces • Designated management staff available for wildfire response
Red	Very high to extreme fire conditions	<ul style="list-style-type: none"> • Standby fully operational • No proactive burning interventions • No open fires • Fire response team (proto-team) working close to fire-fighting equipment • Test fire-fighting equipment • Deploy field staff in safe areas only

3.1.3.4 Braai

Braais by TM and contractors will only be allowed in designated areas that are assessed and approved in writing by TM Environmental Department and listed in Approved Braai Locations Register 200-207228.

TM personnel and contractors who wish to temporarily braai in a location not approved must submit an application form (200-113709) prior to the braai taking place to TM Environment. The permit will only be applicable to a specific braai location. Braai safety rules stipulated in the braai application form must be followed at all times.

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For approval to be granted the area must meet all of the following requirements:

- Be at least 3.5m from any structure building or stored materials(for portable braai stand);
- A 3m radius around the braai must be clear of grass, twigs or combustible debris;
- Be clear of overhead obstruction i.e. overhanging trees, overhead cables;
- Have a certified 5kg fire extinguisher present; and
- Have a raised purpose built braai stand that prevents any coals/ashes falling to ground.
- No fires allowed in the vicinity of fuel storage and filling areas and in any other areas where flammable materials are stored/used.

Prior to the Braai the following weather conditions are to be considered

- Wind strength and direction, strong winds may carry sparks and start veld fires;
- Recent local fire warnings, long periods of dry weather increase the risk of veld fires significantly.

3.1.3.5 Fire breaks

- TM site services and/or Contractors are responsible for ensuring that fire breaks are prepared along the property boundary.(See layout of Medupi site fire breaks on Appendix A).
- Fire breaks shall be prepared by clearing using bulldozers / graders / grass cutters.
- The Fire breaks must be cleared to a minimum of four (4) metres.
- Fire breaks will be inspected on a regular basis and maintained as required or before the fire season (June to October).

3.1.3.6 Training and awareness

TM contractors and visitors must be made aware of the fire hazards and fire mitigation measures required on site using a variety of simple media (e.g. posters, induction, and tool box talks).

Every employee must be familiar with the emergency procedure that should be followed in the event of fire

Training of fire wardens as per OHS Act, No. 85 of 1993 and fire fighters as per National Veld & Forest Fire Act, No. 101 of 1998 must be conducted for relevant site personnel.

3.1.4 Fire Management Response

3.1.4.1 Fire Response

The following steps are to be followed once a fire has been spotted:

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- Identify the type of fire and contact the site emergency number 0781005614 /0147622555.
- The emergency team consisting of TM and contractors must be notified.
- A fire alarm must be raised at the affected areas by the emergency team personnel,
- Personnel/staff in the areas affected by fire must be evacuated to a safe area.
- The trained firefighting team (on the sites) must be mobilised with all firefighting equipment. When necessary Emergency team must notify the external firefighting team (i.e. Matimba & local municipality) to assist with suppression.

3.1.4.2 Types of fires and the extinguishers

An understanding of fire classes A, B, C, D and selection of suitable extinguisher medium for the specific type of fire is very important for those who will be responding to the fire. It is also important when summoning the fire department to advise them of the nature of the fire in order for them to prepare accordingly.

In summary, the Table C below indicates the three classifications of fires and their suitable extinguishing media to combat each class. It is a responsibility of TM and contractors to provide suitable extinguishers on site.

Table 4: Fire classification and suitable extinguishers

<u>CLASS</u>	<u>MATERIAL</u>	<u>MOST SUITABLE EXTINGUISHER</u>	<u>ALTERNATIVE EXTINGUISHER</u>
A	Wood, paper, refuse and textile etc.	Water	Foam, Dry chemical powder (DCP) or CO ₂
B	Flammable liquids (contained)	Foam	DCP or CO ₂
C	Electrical (computers, generators, switches)	DCP	CO ₂
D	Metals (magnesium, alloys)	CO ₂	No water or foam.

3.1.5 Rehabilitation

The Fire Risk Management Manager, TM Environmental Department, and Contractor Environmental Representative must after the fire is extinguished, assess the remains and ensure such is separated and disposed of at licenced/permited landfill site.

All records of waste disposed must be submitted to TM Environmental Department.

The severity of the fire and its resultant impact will be considered in determining the need to seed or re-establish indigenous plant species or allow natural growth of vegetation.

After each fire the Project must ensure that a Fire Debrief Meeting is conducted and a report is compiled by the Fire Risk Management Manager for record keeping

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3.2 Key Performance Areas and Indicators

The following Key Performance Areas / Indicators (KPA's / KPI's) shall be measured, analysed and reported. The Process Owner shall be accountable, and assign the responsibility at the frequency as indicated below, documented as part of the QMS measurement, analysis and improvement initiative.

Table 5: KPA's/KPI's

Key Performance Area	Key Performance Indicator	Measure Frequency	Responsibility	Records
Emergency drills	Performed drills	Quarterly (One Environmental drill annually)	Contractor/TM emergency team	Drill reports
Maintenance of fire breaks	Cleared fire breaks around site	As required or before the fire season (June to October)	Construction Site Support Service	Cleared areas.
Fire training and awareness	Induction and tool box talks containing fire management aspects	As and when required	TM Environmental and Safety Department and Contractors	Induction records and tool box talks
Fire Debrief Meeting records and report	Debriefing records and report	After every fire incident	Fire Risk Management Manager	Fire Debrief Meeting records or reports
Document control	Retain and store records generated as a result of this document as defined in the Procedure 348-883808 "Document and Record Management".	Annually or as required	EMS Coordinator	As generated by the procedure
Revision of Document	Revision requirements in line with Medupi Procedures 348-653867 "Development and Change of Medupi QMS Documents" and PPZ 348-883808 "Document and Record Management"	Three Yearly or as required	Environmental Manager	New revised document

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3.3 Document Review and Self-Assessment

3.3.1 Document Self-Assessment

The "Process Owner" identified on the front page of this document along with departmental personnel and the project QMS Engineer shall undertake a "self-check" review of the process defined in this document at six monthly intervals, commencing from the effective date of this document, to check:

- a) The process / procedure operational integrity;
- b) Process efficiency;
- c) The level of stakeholder knowledge and implementation.

Participants and results of the "self-check" review shall be documented by the Process Owner in the "Self-Assessment Checklist" (***QMS Template No. QMS 348-655890***) included as an Appendix to this procedure which shall be issued to medupiga@eskom.co.za by the Process Owner once completed.

Process Owner shall proceed with any revision requirements in line with Medupi Procedures

348-653867 "Development and Change of Medupi QMS Documents" and 348-883808 "Document and Record Management"

3.3.2 Revision Period

3.4 All EMS documents shall undergo a 3-yearly compulsory revision. Training Requirements

Firefighting team will undergo basic fire person training and be familiar with use of fire extinguishers, veld firefighting equipment and firefighting procedures.

Every employee will be made aware of the emergency procedure that should be followed in the event of fire. Employees will be made aware of fire hazards and mitigation measures.

4. Acceptance

This document has been seen and accepted by:

Name	Designation
E Marell	Project Environmental Manager
B Mgidlana	Project Quality Manager
P Lubisi	Quality Engineer
Z Shange	General Manager
Nic Du Toit	Fire Risk Management Manager

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5. Revisions

Date	Rev.	Compiler	Remarks
2022/05/10	5	Mumsy Boshomane Senior Environmental Advisor	Three yearly document review including change into Rev5 Document control template, name change to Medupi Environment Fire M
2019/03/30	4	Mumsy Boshomane Senior Environmental Advisor	Three Yearly review, as well as populating into the new document template.
2016/06/06	3	Mumsy Boshomane Senior Environmental Advisor	Ad-hoc review-changes to emergency numbers and some sections of the procedure

6. Development Team

The following people were involved in the development of this document:

- Emile Marell
- Mumsy Boshomane
- Sakutanya Mamabolo
- Dovhani Mudzielwana
- Lutendo Mathavha
- Sabelo Linda
- Lizi Koekemoer

7. APPENDICES

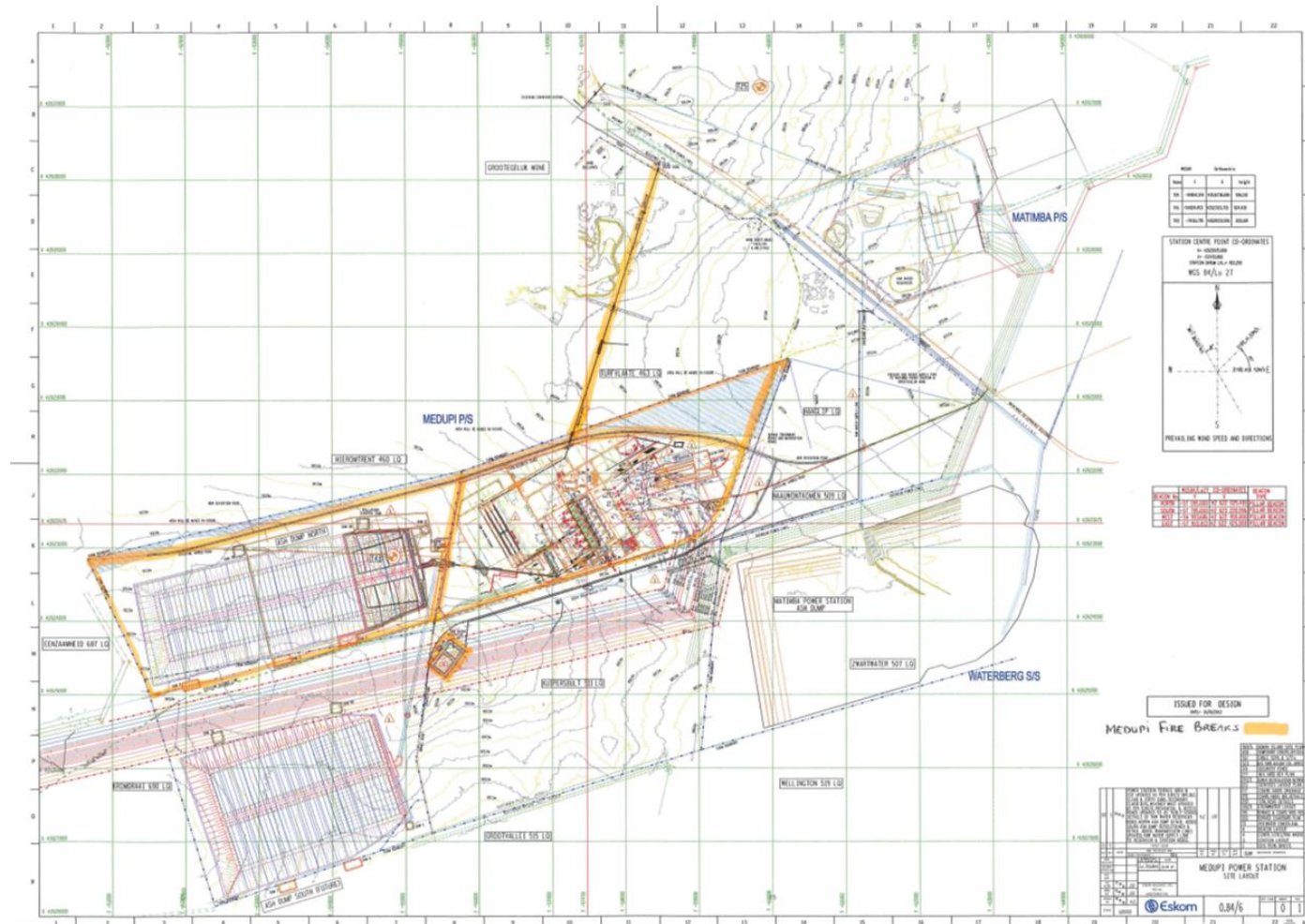
- Appendix 1 – 200-207453 Medupi Fire Breaks layout
- Appendix 2 – 200- 207228 Approved Braai Locations Register
- Appendix 3 – 200-113709 Braai Application Form
- Appendix 4 – 348-655890 Process Self-Assessment Checklist

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Appendix 1 – 200-207453 Medupi Fire Breaks Layout



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Appendix 2 – 200-207228 Approved Braai Area location Register (template)

200-207228 MEDUPI POWER STATION APPROVED BRAAI LOCATIONS									
Contractor/Company	Area/ Location	Braai Type	GPS Coordinates		Responsible HSE practitioner	Location requirements(YES/NO)			Comments/remarks
			E27°	S23°		3.5m from structure building or combustable materials	Fire Extinguisher	Overhead obstruction e.g. overhanging trees/ cables	
e.g.Eskom	e.g.Behind Cabin G	e.g.Steel portable braai stand			Lebogang Ramono	Yes	Yes	Yes	

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Appendix 3 – Braai Application Form

To be submitted to the TM Environmental Department at least 24 hours prior to the braai at a NON-PERMITTED braai area.	
Contact: Environmental Team – CABIN 37	
Applicant Name	
Job Title	
Employer	
Contact No	
Intended Braai Location	
Braai Stand Design/Photo	YES/NO
Expected Braai frequency	
Expected Braai time	
Team Medupi approval	
Name	
Contact No	
Job Title	
Date	
Signature	

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BRAAI SAFETY RULES

1. Braais must only be held in locations assess and approved in writing by TM Environmental Department and Fire Risk Officer/Manager.
2. Personnel who wish to temporarily braai in a location not approved must submit an application form 200-113709 prior braaing to TM Environmental Team. The permit will only be valid for three (3) days.
3. For approval to be granted the area must meet all of the following requirements
 - Be at least 3.5m from any structure building or stored materials. Braais will not be allowed in the vicinity of fuel storage and filling areas and in any other areas where flammable materials are stored / used.
 - A 3m radius around the braai be clear of grass, twigs or combustible debris eg bare soil or concrete hard standing.
 - Be clear of overhead obstruction i.e. overhanging trees, overhead cables.
 - Have a certified 5kg fire extinguisher present.
 - Have a raised purpose built braai stand that prevents any coals/ashes falling to ground.
 - No fires/braaing in the vicinity of fuel storage and filling areas and in any other areas where flammable materials are stored / used.
4. Prior to Braaing weather conditions must be assessed by the responsible braai person.

The following should be considered:

- Wind strength and direction, strong winds may carry sparks and start veld fires.
 - Recent local fire warnings, long periods of dry weather increase the risk of veld fires significantly.
5. Choose a spot that's upwind, and inside the perimeter fencing and at least 3.5 meters from any structure or area of bare ground for your Braai site. Clear a 3 meter diameter area around the site. Get any grass, twigs, needles, firewood, or anything else that can catch fire, out of the circle. Also make sure there are no trees, or combustibles overhead.
 6. Build a brick, concrete or concrete block Braai to keep it from spreading.
 7. Metal braais are also permitted but are subject to the same conditions in terms of placement and fire risk management principles.
 8. Remember, once you've started that fire, it's your responsibility to stay with it at all times until it is extinguished.
 9. Never attempt to Braai on a windy day. Sparks and other burning material could travel large distances.
 10. Keep your fire to a reasonable and manageable size, before and during your Braai experience.
 11. Now that you've enjoyed the Braai, please make sure that the fire is totally extinguished. Various methods can be used to extinguish the fire. You can use a lot of water on the fire. Also note that if you simply cover it with sand the fire may be out, but heat will remain, and could cause a veld fire!! Remember that charcoal can be reused the next time you braai.
 12. Be sure you never walk away from any smoldering embers. An unwanted fire or tragic burn could result. Don't leave a fire until it's "OUT COLD". Recheck the Braai 30 minutes after you have extinguished the fire. Unattended fires will result in revocation of this permit.
 13. Do not burn any waste or site refuse.

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14. Braai activities shall be the responsibility of a designated individual (name must be submitted to MPT) who will be responsible and supervise the braais.
15. Food and drink shall only be consumed in locations which have been pre-approved by the Medupi Project Team.

Site Emergency Telephone Number:

0781005614 OR

0147626911

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A.1 Process Self-Assessment Checklist

Discipline: Environment		Document no. & Rev No.: Rev 05 Fire Management Plan				Self-Assessment Date: / /
Item No	Ref Section	Self-Assessment Question	Compliant			Comment
			Yes	Part	No	
1	3.1.1.1.	Is the fire risk management included in the employee and visitors SHE Induction programme as well as toolbox talks?				
2	3.1.1.1.	Is the EMP requirements as indicated below communicated and enforced: <ul style="list-style-type: none"> no open fires allowed; smoking only allowed in designated areas; and no smoking allowed in the vicinity of fuel storage and filling areas and in any other areas where flammable materials are stored/used. 				
3	3.1.1.1.	Are health and safety statutory requirements followed so to ensure occurrence of fires are prevented?				
4	3.1.1.2.	Are safety evacuations drills of personnel conducted on regular basis?				
5	3.1.1.2.	Do all fire fighters have proper fire fighting PPE and appropriate training?				
6	3.1.1.2.	Do contractors together with the TM ensure that they prepare and maintain fire breaks along the property boundary?				
7	3.1.1.3.	Is Medupi Power Station Project a member of Lephalale Fire Protection Association (FPA)?				

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8	3.1.1.3.	Is there adequate supply of suitable veld fire fighting equipment with regard to size, construction and location of the workplace, and the amount and type of flammable articles used, handled or stored on the premises?				
9	3.1.1.4.	Are Fire management plans or issues discussed at SHE meetings to make sure that all members are aware of concerns and procedures regarding response and actions related?				
10	3.1.1.4.	Is TM and contractors familiar with the emergency procedure that should be followed in the event of fire?				
11	3.1.1.4.	Is the removal of invasive alien and exotic plants removed and is managed through procedure 200-85677 Alien and Invasive Plant Species Management Plan.				
12	3.1.1.4.	Does the emergency team ensure that all required fire fighting equipment is in good working condition and always ready in the case of fire emergency?				
13	3.1.2.1.	Have all personnel in the fire fighting team undergone a basic fire hose training and familiar with use of fire extinguishers, veld fire fighting equipment and fire fighting procedures?				
14	3.1.2.1.	Are fire fighters appointed as competent and qualified fire fighting personnel?				
15	3.1.2.2.	<p>Does TM and contractor fire fighting teams ensure that the following equipment's that can mostly be used for veld fires are available onsite (see table 2)</p> <ul style="list-style-type: none"> • Fire beaters, rakes, spades, air blowers, • Skid unit (bakkie sakkie) including high pressure pumps & hoses • Fire truck 				

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		<ul style="list-style-type: none"> • Radio sets and cell phones • Ambulance with medical care • Overalls, cotton • T-shirt. eye protection • Head torch • Gloves • Boots with socks • Water bottles • Hardhats 				
16	3.1.3.2.	Are all personnel onsite informed about the site emergency numbers 0781005614/0147622555?				
17	3.1.3.2.	Are the numbers posted conspicuously in site offices, security checkpoints and any other areas deem necessary?				
18	3.1.3.4.	Are braais by TM and contractors only allowed in designate areas that is assessed and approved in writing by TM Environmental Department and listed in Approved Braai Locations Register 200-207228.				
19	3.1.3.4.	Do TM personnel who wish to temporarily braai in a location not approved must submit an application form 200-113709 prior braaing to TM Environmental Team?				
20	3.1.3.5.	Are Fire breaks cleared to a minimum of four metres?				
21	3.1.3.5.	Are fire breaks inspected on a regular basis and maintained as required or before the fire season (June to October)?				
22	3.1.3.6.	Is TM, contractors and visitors made aware of the fire hazards and fire mitigation measures required on site using a variety of simple media?				

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23	3.1.3.6.	Are employees familiar with the emergency procedure that should be followed in the event of fire?				
24	3.1.3.6.	Is Training of fire wardens as per OHS Act, No. 85 of 1993 and fire fighters as per National Veld & Forest Fire Act, No. 101 of 1998 conducted?				
25	3.1.5.	Does the Fire Risk Management Manager, TM Environmental Department, and Contractor Environmental Representative after the fire is extinguished, assess remains and ensure such is separated and disposed of at licenced/permitted landfill site?				
26	3.1.5.	Are all records of waste disposed submitted to TM Environmental Department?				
27	3.1.5.	Is the severity of the fire and its resultant impact considered in determining the need to seed or re-establish indigenous plant species or allow natural growth of vegetation?				
28	3.1.5.	After each fire does the Project ensure that a Fire Debrief Meeting is conducted and a report is compiled by the Fire Risk Management Manager for record keeping?				
Comments:						
Self-Assessment by:		Name:	Position:		Revision Required? (Yes / No)	Planned Revision Date:
Attendees:						

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