



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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Ref: 12/9/11/L206/5

Enquiries: Ms K. Ntoampe

Tel. 012 310 3920 Fax: 12 310 3753 Email Address: kntoampe@deat.gov.za

Eskom Matimba
P.O Box 1091
Sunninghill
Johannesburg
2157

Fax: 011 800 5140

Dear licence holder

Please find hereto attached a waste licence issued in terms of S.49 of the National Environmental Management: Waste Act, 2008, (Act 59 of 2008) "NEMWA".

This is to advise you that applications for authorisation of licence amendments, waste delisting, emergency and or once-off authorisations will be processed only if the Department of Environmental Affairs is in receipt of the latest external audit report, and any other reports required to be submitted to the department in terms of the attached licence. Please note section 54 of NEMWA.

Yours Sincerely

Ms Joanne Yawitch
Deputy Director-General :Environmental Quality and Protection
Department of Environmental Affairs
Letter signed by Mr Stranton Narain
Designation: Acting Director: Authorisations and Waste Disposal Management
Date: 17/06/2010



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Ref. 12/9/11/L206/5

Enquiries: Mr. M. Tshitangoni

Tel: (012) 310-3209

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www.environment.gov.za

LICENCE NUMBER: 12/9/11/L206/5.

CLASS: G:C:B-

WASTE DISPOSAL SITE: ESKOM MATIMBA POWER STATION WASTE ROCK DUMP

LOCATION: REMAINDE OF FARM GROOTESTRYD 465 LQ IN
LEPHALALE MUNICIPALITY IN LIMPOPO PROVINCE

LICENCE HOLDER: ESKOM HOLDINGS LTD

ADDRESS: P. O. BOX 1091, SUNNINGHILL, JOHANNESBURG, 2157

CONTACT DETAILS TEL. (011) 800 3501, FAX (011) 800 5140, Email:
Deidre.Herbst@eskom.co.za, Mr Deidre Herbst

LICENCE IN TERMS OF SECTION 49(1)(a) OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (Act No. 59 of 2008)

In terms of National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) read with the Environmental Impact Assessment Regulations, 2006, published in Government Notice No.R.385 of 21 April 2006 (the Regulations), the Deputy Director General: Environmental Quality and Protection, Acting under delegation, granted Eskom Holdings Limited a waste management licence for the decommissioning and rehabilitation of the abovementioned waste disposal facility, subject to the conditions specified herein.



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In this Licence, "Director" means the Director: Authorisations and Waste Disposal Management of the National Department of Environmental Affairs, who may be contacted at the address below:

Director: Authorisations and Waste Disposal Management
Department of Environmental Affairs
Private Bag X447
PRETORIA
0001

In this Licence, "Chief Director " means the Chief Director: Water Use of the National Department of Water Affairs "DWA" who may be contacted at the address below:

Chief Director: Water Use
Department of Water Affairs
Private Bag 313
PRETORIA
0001

1 DESCRIPTION, LOCATION AND EXTEND OF THE SITE

1.1 LOCATION

This Licence authorises the decommissioning and rehabilitation of Eskom Matimba Power Station Waste Rock Dump (Class:G:S:B-) disposal facility situated on remainder of farm Grootestryd 465 LQ, within Lephalale Local Municipality in Limpopo Province, (hereinafter referred to as "the Site") according to the Eskom's Matimba Power Station Waste Rock Dump closure Basic Assessment Report, compiled by Envirolution Consultants, dated January 2010, (hereinafter referred to as "the Reports") and the Application forms for closure compiled by the licence holder, dated 18 January 2010 as well as the, Record of Decision (RoD), issued by the Department of Water Affairs, dated 26 March 2010.

1.1.1 The site is geographically located as follows:

Number of Corner	Latitude	Longitude
Corner 1	27. 596082	-23. 667512
Corner 2	27. 598247	-23. 668850
Corner 3	27. 596924	-23.670811
Corner 4	27. 594861	-23. 669260

1.2 DOCUMENTS CONSIDERED

1.2.1 Basic Assessment Report for the Proposed Decommissioning of an Existing Rock Waste Dump at Eskom Matimba Power Station in Lephalale within Limpopo Province, compiled by Envirolution, dated January 2010 "Hereafter referred as the report "

1.2.2 Application forms, dated 18 January 2010



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1.2.3 Record of Decision from the Department of Water Affairs, dated 26 March 2010.

1.3 LICENCE CONDITIONS

1.3.1 SITE MANAGEMENT

1.3.1.1 The closure and rehabilitation activities must be managed and operated:

(a) in accordance with requirements for closure specified in the latest edition (currently, 1998) of the "Minimum Requirements for Waste Disposal by Landfill" series of documents published by the Department of Water Affairs or any other instruction by the Director that inter alia identifies and minimises risks of pollution, including those arising from construction, maintenance, accidents, incidents and non-conformances and those drawn to the attention of the licence holder as a result of complaints;

(b) by sufficient persons who are competent in respect of the responsibilities to be undertaken by them in connection with the operation of the activities.

1.3.2 Any persons having duties that are or may be affected by the matters set out in this Licence must have convenient access to a copy of which must be, kept at or near the place where those duties are carried out.

1.4 EMERGENCY PREPAREDNESS PLAN

1.4.1 The Licence Holder must maintain and implement an emergency preparedness plan and review it annually when conducting audit and after each emergency and/or major accident. The plan must among others include:

- (a) Landfill Site Fires
- (b) Slope Failure
- (c) Natural disasters such as floods
- (d) Vehicle/Machinery Fire

2 CONSTRUCTION AND REMEDIATION MEASURES

2.3 Immediately following the cessation of operations with the intention to decommission the Site, the surface of the site must be capped with a 200mm thick topsoil that must be compacted in such a way that:

2.3.1 the formation of pools due to rain is prevented;

2.3.2 free surface runoff of rain water is ensured;

2.3.3 contamination of storm water is prevented;

2.3.4 no objects or material which may hamper the rehabilitation of the site are present;

2.3.5 no erosion occur after rehabilitation; and



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- 2.3.6 re-vegetating of the area with indigenous species is achieved.
- 2.4 Decommissioning construction and rehabilitation within the site must be carried out in accordance with the approved civil drawings in accordance with recognised civil engineering practice with special consideration to stability, and under the leadership of a registered engineer who must send a letter or a certificate to the Director every year until completion to certify that construction and closure activities are compliant with engineering standards.
- 2.5 Drainage systems, series of canals, capping the side slopes and top of the sites must be constructed and maintained by the Licence holder to ensure that excess water does not enter the waste body.
- 2.6 The construction for closure and further development of this site must be in accordance with the latest 1998 edition of the documents titled: " Minimum requirements for Waste Disposal by Landfill" or norms and standards to be developed by the Department
- 2.7 The Licence Holder must make provision for sanitation facilities on site in line with the Occupational Health and Safety Act, 1993 (Act 85 of 1993).

3 ACCESS CONTROL

- 3.3 Weatherproof, durable and legible notices in at least three official languages applicable in the area must be displayed at each entrance to the Site. These notices must prevent unauthorized entry, disposal of waste on the Site and state the alternative place for disposal. Signs must have the name, address and telephone number of the Licence Holder and the person(s) responsible for the Site.
- 3.4 The Site must be fenced to a minimum height of 1.8 metres, with gates of the same height at all entrances, to prevent unauthorised entry.

4 OPERATION

- 4.1 The Licence Holder must apply sufficient dust control measures during capping and re-vegetation to prevent wind-blown dust from causing nuisance conditions or health risks.
- 4.2 The Licence Holder must ensure adequate fire breaks and implement fire control measures.
- 4.3 Waste outliers must be transferred onto the main waste facility.
- 4.4 The Licence Holder must take all reasonable steps to ensure the health and safety of workers and employees on site, in terms of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993).
- 4.5 The Site must cease acceptance of waste apart from capping material.



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5 MONITORING

5.1 MONITORING METHODS AND PARAMETERS

5.1.1 The Licence Holder must carry out all tests required in this Licence in accordance with methods prescribed by and obtainable from the South African Bureau of Standards (SABS), referred to in the Standards Act, 2008 (Act 8 of 2008).

5.2 WATER MONITORING

5.2.1 The ground water monitoring borehole network for the site must consist of the boreholes as indicated by the coordinates in the licence application form submitted by the applicant as follows:

Borehole Number	X Coordinates	Y Coordinates	Position	Depth (mbgl)
MBH1	2618438.583	27Y-061123.249	Upstream	40
MBH2	2619059.120	27Y-061021.789	Downstream	40
MBH3	2618942.448	27Y-061203.638	Downstream	40
MBH4	2618675.729	27Y-0605675.729	Upstream	40
P4	2618787.510	27Y-060693.398	Downstream	60
P5	2618401.131	27Y-060767.051	Upstream	60
P26	2618635.240	27Y-061209.244	Upstream	60
P28	2618860.128	27Y-061038.089	Downstream	60

5.2.2 The Licence holder must maintain the borehole network to the satisfaction of the Director so that unobstructed sampling, as required in terms of this licence, can be undertaken.

5.2.3 Monitoring boreholes must be equipped with lockable caps. The Department of Water Affairs reserves the right to take water samples at any time and to analyse these samples, or to have them taken and analysed.

5.2.4 The Licence Holder must monitor surface water quality for the parameters listed in Annexure I below at locations it is discharged to the natural environment.

5.2.5 Groundwater monitoring by the Licence Holder, in accordance with conditions 5.4.1, must continue and be maintained for a period of 30 years after closure, or for such a period and/or frequency as approved by the Director or Chief Director:

5.3 BACKGROUND MONITORING

5.3.1 Samples from the boreholes mentioned in condition 5.2.1 above, where the groundwater in the borehole is at an expected higher hydraulic pressure level as the hydraulic pressure level of the groundwater under the Site, must be considered as background monitoring.

5.3.2 Background groundwater monitoring must be conducted during each monitoring occasion for the water quality variables listed in Annexure I and Annexure II.



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5.4 DETECTION MONITORING

5.4.1 Monitoring must be conducted bi-annually for the water quality variables listed in paragraph (a) of Annexure II and annually for the variables listed in paragraph (b) of Annexure II at locations specified in condition 5.3.2 or such frequency as may be determined by the Director or Chief Director:

5.5 INVESTIGATIVE MONITORING

5.5.1 If, in the opinion of Chief Director: Water Use, a water quality variable listed under the detection monitoring programme, as referred to in condition 5.4.1, shows an increasing trend, the Licence Holder must initiate a monthly monitoring programme for the water quality variables listed in Annexure I.

5.6 FURTHER INVESTIGATIONS

5.6.1 WATER POLLUTION

5.6.1.1 If, in the opinion of the Chief Director: Water Use, groundwater and surface water pollution have occurred or may possibly occur, the Licence Holder must conduct and/or appoint specialists to conduct the necessary investigations and implement additional monitoring and rehabilitation measures to the satisfaction of the Chief Director: Water Use.

5.6.2 ENVIRONMENTAL POLLUTION

5.6.2.1 If, in the opinion of the Director, environmental pollution, nuisances or health risks may be or is occurring, the Licence Holder must initiate an investigation into the cause of the of the problem or suspected problem. Such investigation must include the monitoring of the relevant environmental pollution, nuisance and health risk variables, at those monitoring points and such frequency to be determined in consultation with the Director.

6 AUDITING

6.1 INTERNAL AUDITS

6.1.1 Internal audits must be conducted annually by the Licence Holder and on each audit occasion an official report must be compiled by the relevant auditor to report the findings of the audits.

6.1.2 External audit must be conducted by the Licence holder two years from the date of this Licence and the report must be forwarded to the Director.

6.2 DEPARTMENTAL AND DWAF AUDITS AND INSPECTIONS

6.2.1 The Department and DWA reserve the right to audit and/or inspect the Site at any time and at such a frequency as the Director and Chief Director: Water Use may decide, or to have the Site audited or inspected.



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6.2.2 The Licence Holder must make any records or documentation available to the Director and Chief Director: Water Use upon request, as well as any other information they may require.

6.2.3 The findings of these audits or inspections must be made available to the Licence Holder within 60 days of the end of the audit or inspection. Information from the audits must be treated in accordance with the Promotion of Access to Information Act, 2000 (Act 2 of 2000).

7 RECORDING

7.1 The Licence Holder must keep a record of and update all the information referred to in Annexure III on an annual basis.

7.2 The Licence Holder must record all borehole data and chemical analyses in the format depicted in Annexure IV.

7.3 Records demonstrating compliance with condition 2.1.1 and any other required by this Licence must be maintained.

8 REPORTING

8.1 REPORTING OF INCIDENTS

8.1.1 The Licence Holder must, within 24 hours, notify the Director and the Chief Director: Water Use, of the occurrence or detection of any incident on the Site, or incidental to the operation of the Site, which has the potential to cause, or has caused environmental pollution, water pollution, health risks or nuisance conditions.

8.1.2 The Licence Holder must, within 14 days, or a shorter period of time, if specified by the Director and Chief Director, from the occurrence or detection of any incident referred to in condition 8.1.1, submit an action plan, which must include a detailed time schedule, to the satisfaction of the Director and the Chief Director: Water Use of measures taken to –

8.1.2.1 correct the impact resulting from the incident;

8.1.2.2 prevent the incident from causing any further impact; and

8.1.2.3 prevent a recurrence of a similar incident.

8.1.3 In the event that measures have not been implemented within 21 days of the incident to address impacts caused by the incident referred to in condition 8.1.1, or measures which have been implemented are inadequate, the Director and the Chief Director: Water Use, may implement the necessary measures at the cost and risk of the Licence Holder.

8.1.4 The Licence Holder must keep an incident report and complaints register, which must be made available to both the external, Departmental and DWA auditors for the purpose of their audits.



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8.1.5 Records generated in terms of condition 7 above and any other records generated as a result of this Licence must be interpreted and included in the audit report in terms of condition 6.2.2 above must be submitted to the Director.

9 LEASING AND ALIENATION OF THE SITE

9.1 Should the Licence Holder want to alienate or lease the Site, he shall notify the Head of Department in writing of such an intention at least 120 days prior to the said transaction.

9.2 Should the Licence Holder want to transfer the Licence of the Site, he shall notify and obtain approval from the Director for such a transfer in writing at least 120 days prior to the said transfer.

9.3 Any subsequent Licence Holder shall be bound by the conditions of this Licence.

10 REHABILITATION AND DECOMMISSIONING OF THE SITE

10.1 The Site or any portion thereof, the surface of the site must receive only waste used for capping as mentioned in the minimum requirements or any other material approved by the Head of Department and be maintained in such a way that no objects or materials including facilities and old machinery which may hamper the rehabilitation of the Site are present. Rehabilitation and closure of the Site should entail-

10.1.1 disposal of the currently generated and hazardous waste at authorised waste disposal sites for the waste being disposed of.

10.1.2 development of a strategy for the prevention of illegal dumping upon closure or post closure of the waste facility.

10.1.3 management of vegetation in terms of species of vegetation planted adjacent to the fill areas and along property boundaries and implementation of a programme for the prevention and or removal of invasive alien vegetation from the site.

10.1.4 protection of the cover from ponding water, drainage challenges, erosion and also providing adequate security to prohibit damage of the cover from settlements.

10.1.5 assessment of the long and short term stability.

10.1.5.1 compilation and implementation of procedures for reporting

10.1.5.2 significant environmental effects during the aftercare period.

10.1.5.3 inspection and maintenance frequencies pertaining to monitoring equipment and abstraction points and results thereof.

10.1.6 The Licence Holder must rehabilitate the site in accordance with the latest edition (currently 1998) of the documents titled: "Minimum Requirements for Waste Disposal by Landfill" and "closure & rehabilitation drawings approved by the Director".



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- 10.1.7 Indigenous vegetation must be established around the Site to effectively screen the Site from nearby roads and residential areas.
- 10.1.8 The Licence Holder must ensure that the integrity of the landfill cover is not breached due to ongoing decomposition of waste.

11 GENERAL

- 11.1 The Licence Holder shall be responsible for the Site or its impacts on the environment post closure of the activities on the Site.
- 11.2 This Licence shall not be construed as exempting the Licence Holder from compliance with the provisions of any other National and Provincial Legislation and any other relevant Ordinance, Regulation, By-laws and relevant National Norms and Standards.
- 11.3 This Licence shall not be transferable, unless such transfer is subject to condition 9.2.
- 11.4 Transgression of any condition in this Licence will impact negatively on future decisions by the Department on future developments that the Licence holder may need authorisation for.

Ms Joanne Yawitch
DEPUTY HEAD OF DEPARTMENT GENERAL

DATE: 14-06-2010



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ANNEXURE I

WATER QUALITY VARIABLES REQUIRED FOR BACKGROUND MONITORING AND INVESTIGATIVE MONITORING: CONDITIONS 5.3 and 5.5

Alkalinity (P.Alk)	Free & saline ammonia as N (NH ₄ -N)
Calcium (Ca)	Boron (B)
Chromium (hexavalent) (Cr ⁶⁺)	Magnesium (Mg)
Chromium (Total) (Cr)	Cadmium (Cd)
Chemical oxygen demand (COD)	Chloride (Cl)
Cyanide (CN)	Fluoride (F)
Mercury (Hg)	pH
Lead (Pb)	Sodium (Na)
Nitrate (as N) (NO ₃ -N)	Electrical conductivity (EC)
Phenolic compounds (Phen)	Sulphate (SO ₄)
Potassium (K)	
Total dissolved solids (TDS)	



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ANNEXURE II

WATER QUALITY VARIABLES REQUIRED FOR BACKGROUND MONITORING AND DETECTION MONITORING: CONDITIONS 5.3 AND 5.4

(a) Bi-annually for:

Alkalinity (P.Alk)
Chemical oxygen demand (COD)
pH
Total dissolved solids (TDS)
Chlorides (Cl)
Nitrate (NO₃-N)
Potassium (K)

(b) Annually for:

Electrical conductivity (EC)
Calcium (Ca)
Magnesium (Mg)
Sodium (Na)
Sulphate (SO₄)
Fluoride (F)



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ANNEXURE III

INFORMATION WHICH SHALL BE SUBMITTED ON AN ANNUAL BASIS: CONDITION 7.1

* = Indicate with an X. Please print legibly.

NAME OF SITE: <input style="width: 90%;" type="text"/>	DATE OF REPORT: <input style="width: 80%;" type="text"/>
LOCATION: <input style="width: 95%;" type="text"/>	
LIST OF ENVIRONMENTALLY SENSITIVE AREAS IN THE VICINITY:	
1. <input style="width: 95%;" type="text"/>	
2. <input style="width: 95%;" type="text"/>	
3. <input style="width: 95%;" type="text"/>	

1. Registered owner(s) of property on which Licensed facility is situated:

Name	Telephone	
Postal Address	Fax	
	Email	

2. Operator in control of disposal Site:

Name	Telephone	
Identity number	Tel. After hours	
Educational Qualifications		
Other Relevant competencies:		

3. Gas and water monitoring:

Attach results, trends and graphs and interpretation and action plans where required

4. Indicate the present dimensions of the Site(metre)

Height/depth	
Length	
Breadth	

5. Incident and complaints management:

Attach the incidents and complaints and corrective and preventative action report

I, the undersigned, declare that the information stated above and the Risk Assessment below is to my knowledge a true reflection of the status at the _____ disposal site.

Signature: _____

Name: _____

Capacity: _____

Place: _____

Date _____



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Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual risk
What is at risk? What do I wish to protect?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequences be if this occurs	What is the overall magnitude of the risk? (Low-Medium - High)	On what did I f my judgement?	How can I best manage the risk to reduce the magnitude?	What is the magnitude of the risk after management? This residual risk will be controlled by Compliance Assessment)
Local human population	Airbone dusts /particulars	Nuisance -dust on cars, clothing etc.	Deposition from air						
Local human population	Noise from machine	Nuisance loss of amenity, loss of sleep	Air transport						
Local human population	Fugitive releases, waste, litter and mud on roads	Nuisance loss of amenity.	Vehicles entering and leaving the Site. Waste escaping the Site						
Local human population	Odour	Nuisance loss of amenity.	Air transport						
Local human population	Scavenging birds and animals	Nuisance loss of amenity.	Air transport and over land						
	Pests (e.g flies)	Nuisance loss of amenity.	Air transport and over land						
Local human population	Flooding of Site	If waste is washed off Siteit may cause contamination	Flood waters						
Groundwater and surface waters	Fire on Siteleading to run-off from polluted fire fighting waters.	Contaminating of groundwater and aquatic ecosystems	Direct and indirect run-off						
Local human population and/or livestock gaining unauthorised access to the activities	All non-Sitehazards- particularly relating to waste handling & storage site	People/ livestock coming into contact with hazards	Direct physical contact						
		Arson and/or vandalism causing the release of polluting materials	Arson-air. Liquids polluting watercourses and/or groundwater						
Ground water	Contaminated run-off from waste	Contaminating of ground water	Soil to ground water to borehole.						



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Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual risk
What is at risk? What do I wish to protect?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequences be if this occurs	What is the overall magnitude of the risk? (Low-Medium - High)	On what did I f my judgement?	How can I best manage the risk to reduce the magnitude?	What is the magnitude of the risk after management? (This residual risk will be controlled by Compliance Assessment)
Local human population	Smoke from burning of waste in case of fire.	Nuisance, loss of amenity, loss of sleep. Respiratory irritation/illness	Air transport						
EXPAND TABLE AS PER YOUR RISKS									



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ANNEXURE IV

FORM TO BE USED FOR CHEMICAL INFORMATION: CONDITIONS 7.2

Name of site				
Borehole/observation- point name/number				
Sampling date (y-m-d):		Method:	Bail	
Sampling Time			Pump	
Time after start of pump:	h min	Depth of sample		m
Date of analysis (y-m-d)		Laboratory		

General chemistry

Constituent	Unit	Value	Required Standard	Constituent	Unit	Value	Required Standard
pH	(-log[H ⁺])			As (III)	(mg/l)		
EC	(mS/m)			B	(mg/l)		
TDS	(mg/l)			Cd	(mg/l)		
Ca	(mg/l)			Free CN	(mg/l)		
Mg	(mg/l)			Cr (Total)	(mg/l)		
Na	(mg/l)			Cr (VI)	(mg/l)		
K	(mg/l)			Cu	(mg/l)		
Alkalinity	(mg CaCO ₃ /l)			Mn	(mg/l)		
Cl	(mg/l)			Pb	(mg/l)		
SO ₄	(mg/l)			Hg	(mg/l)		
NO ₃ -N	(mg/l)			S-	(mg/l)		
F	(mg/l)						
COD	(mg/l)						
NH ₄ -N	(mg/l)						
Phenol	(mg/l)						
PO ₄	(mg/l)						
TOX	µg/l						
TOC	(mg/l)						
Ba	(mg/l)						



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ANNEXURE V

▪ KEY FACTORS CONSIDERED IN MAKING THE DECISION

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) Environmental issues identified and mitigation measures of environmental impacts as contained in the Basic Assessment Report for the Proposed decommission of an existing Rock Waste Dump at Eskom Matimba Power Station in Lephalale, compiled by Envirolution, dated January 2010,
- b) The physical, socio-economic and cultural impacts of the development project on the receiving environment.
- c) The legal and procedural requirements have been complied with and the information contained in the documents is to the satisfaction of this Department.

▪ FINDINGS

After consideration of the information and factors listed above, the Department made the following findings:

- a) The mitigation measures proposed in the above proposed Decommission Report dated, January 2010.
- b) Specific specialists' studies were commissioned as part of the environmental impact assessment process and it was found that the impact of this decommission and rehabilitation is acceptable.
- c) It is envisaged that, should the conditions stipulated in this Licence be complied with, the negative environmental impacts of this activity will be minimized.
- d) Based on the above, this Department 's conclusion is that this activity will not lead to substantial detrimental impact on the environment, that potential detrimental impacts resulting from this activity can be mitigated to acceptable levels and that the principles of section 2 of NEMA can be upheld.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the Licence, the Licensed activity will not conflict with the general objectives of Integrated Environmental Management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activity can be mitigated to acceptable levels.