



the **dedet**

Department:
Economic Development, Environment and Tourism
MPUMALANGA PROVINCIAL GOVERNMENT

**Basic assessment report in terms of the
Environmental Impact Assessment Regulations, 2010, promulgated
in terms of the National Environmental Management Act, 1998(Act
No. 107 of 1998), as amended.**

File Reference Number:

Project Title:

Name of Responsible Official:

(For applicant / EAP to complete)

Proposed Upgrade of Water Treatment Works in
Dullstroom, Mpumalanga.

NEAS Reference Number:

Date Received:

(For official use only)

Kindly note that:

1. Required information must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. Tables can be extended as each space is filled with typing.
2. Where applicable **black out** the boxes that are not applicable in the form.
3. An incomplete report may be returned to the applicant for revision.
4. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
5. All reports (draft and final) must be submitted to the Department at the address of the relevant **DISTRICT OFFICE** given below or by delivery thereof to the relevant **DISTRICT OFFICE**. Should the reports not be submitted at the relevant district office, they will not be considered.
6. No faxed or e-mailed reports will be accepted.
7. One copy of the draft version of this report must be submitted to the relevant district office. The case officer may request more than one copy in certain circumstances.
8. **Copies of the draft report must be submitted to the relevant State Departments / Organs of State for comment.** In order to give effect to Regulation 56(7), proof of submission/delivery of the draft documents to the State Departments / Organs of State must be attached to the draft version of this report.
9. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
9. All specialist reports must be appended to this document, and all specialists must complete a declaration of independence, which is obtainable from the Department.

DEPARTMENTAL DETAILS

HEAD OFFICE (18 Jones Street, Nelpruit)	EHLANZENI DISTRICT (50 Murray Street, Nelspruit)	NKANGALA DISTRICT (Pavilion Centre, Cnr Botha & Northey Streets, Witbank)	GERT SIBANDE DISTRICT (13 De Jager Street, Ermelo)
<p>Attention: Directorate: Environmental Impact Management Private Bag X 11215 Nelspruit, 1200</p> <p>Queries should be directed to the Directorate: Environmental Impact Management at: Tel: (013) 759 4000 Fax (013) 759 4165</p>	<p>Attention: Directorate: Environmental Impact Management Private Bag X 11215 Nelspruit, 1200</p> <p>Queries should be directed to the Directorate: Environmental Impact Management at: Tel: 0824068831 Fax: Email: nvmdhluli@mpg.gov.za</p>	<p>Attention: Directorate: Environmental Impact Management P. O. Box 7255 Witbank, 1035</p> <p>Queries should be directed to the Directorate: Environmental Impact Management at: Tel: 0136902595/6901358/076644 1707 Fax: Email: dtswai@wit.mpu.gov. za</p>	<p>Attention: Directorate: Environmental Impact Management P. O. Box 2777 Ermelo, 2351</p> <p>Queries should be directed to the Directorate: Environmental Impact Management at: Tel: 0178192828/9 0178114815 0798419582 Fax: E mail: stmarabane@mpg.gov.za</p>

Applications to be sent direct to district office

SECTION A: BACKGROUND INFORMATION

Project applicant:	Nkangala District Municipality		
Trading name (if any):	N/A		
Contact person:	Mrs Mmaphefo Aphane		
Physical address:	2A Walter Sisulu Street, Middleburg		
Postal address:	P.O Box 437, Middleburg		
Postal code:	1050	Cell:	
Telephone:	(013) 249 2027	Fax:	(013) 249 2145
E-mail:	Aphanemr@nkangaladm.gov.za		

Environmental Assessment Practitioner:	Strategic Environmental Focus (Pty) Ltd		
Contact person:	Carene Kruger		
Postal address:	P.O Box 74785, Lynnwood Ridge, Pretoria		
Postal code:	0040	Cell:	079 824 7255
Telephone:	(012) 349 1307	Fax:	012 349 1229
E-mail:	carene@sefsa.co.za		
Qualifications:	B.Sc Masters (Environmental Management) – Currently Completing B.S.C Honours (Geography) 7 years' experience		
Professional affiliations (if any):	Member of IAIA - Gauteng		

SECTION B: DETAILED DESCRIPTION OF THE PROPOSED ACTIVITY

Describe the activity, which is being applied for, in detail. The description must include the size of the proposed activity (or in the case of linear activities, the length) and the size of the area that will be transformed by the activity.

The objective of this project is to upgrade the capacity of the existing Dullstroom Water Treatment Plant from 2Ml/d (mega litre per day) to 5Ml/d. The work will be undertaken in Phases.

The project aims is to ensure a sustained water supply to the ever-expanding community of Dullstroom and Sakhelwe Township.

The proposed Scope of Work entails the following:

- Construction of 2 x 15m Diameter Clarifiers;
- Construction of 2 x Sand Filters;
- Upgrading of Pipework;
- Upgrading of Electrical panels, Pumps and Associated Works;
- Relocation of Raw Water Extraction Pump Station;
- Removal of Old Concrete Structure;
- Provision of 5 Off Bulk Flow Meters With Remote Telemetry;
- Construction of a new dosing unit (room);
- Construction of Access road and new entrance to the dosing unit (room);
- Upgrading of chlorine dosing unit;
- Refurbishment of Laboratory;
- Supply of Testing Equipment;
- Raising of the Clear Water Storage Tanks; and
- Raising of the existing dam wall by 4.2m.

PLEASE REFER TO APPENDIX 3 OF THE ATTACHED BA REPORT FOR A LAYOUT PLAN OF THE PROPOSED WORKS

SECTION C: PROPERTY/SITE DESCRIPTION

Provide a full description of the preferred site alternative (farm name and number, portion number, registration division, erf number etc.):

The proposed site is situated on Grootswiikerboschkop 124 portion 36 JT. It falls under the jurisdiction of Emakhazeni local municipality in the Nkangala Region of Mpumalanga and is located adjacent to the municipal Caravan Park in Dullstroom.

PLEASE REFER TO APPENDIX 1 OF THE ATTACHED BA REPORT FOR A LOCALITY PLAN OF THE PROPOSED WORKS

Indicate the position of the activity using the latitude and longitude of the centre point of the preferred site alternative. The co-ordinates should be in degrees and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection. The position of alternative sites must be indicated in Section B of this document.

Latitude (S):		Longitude (E):	
25°	'047"617	30°	'107"355

In the case of linear activities:

- Starting point of the activity
- Middle point of the activity
- End point of the activity

Latitude (S):		Longitude (E):	
°	'	°	'
°	'	°	'
°	'	°	'

SITE OR ROUTE PLAN

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as an appendix to this document.

The site or route plans must be at least A3 and must include the following:

- 6.1 a reference no / layout plan no., date, and a legend / land use table
- 6.2 the scale of the plan which must be at least a scale of 1:2000;
- 6.3 the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
- 6.4 the exact position of each element of the application as well as any other structures on the site;
- 6.5 the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
- 6.6 all indigenous trees taller than 1.8 metres and all vegetation of conservation concern (protected, endemic and/or red data species);
- 6.8 servitudes indicating the purpose of the servitude;
- 6.9 sensitive environmental elements within 100 metres of the site or sites including (but not limited thereto):
 - watercourses and wetlands;
 - the 1:100 year flood line;
 - ridges;

- cultural and historical features;
- 6.9 10 metre contour intervals

PLEASE REFER TO APPENDIX 3 OF THE ATTACHED BA REPORT FOR A LAYOUT PLAN OF THE PROPOSED WORKS

SITE PHOTOGRAPHS

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached as an appendix to this form.

PLEASE REFER TO APPENDIX 2 OF THE ATTACHED BA REPORT FOR A LAYOUT PLAN OF THE PROPOSED WORKS

FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 as an appendix for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

PLEASE REFER TO APPENDIX 3 OF THE ATTACHED BA REPORT FOR A LAYOUT PLAN OF THE PROPOSED WORKS

SECTION D: BASIC ASSESSMENT REPORT

Prepare a basic assessment report that complies with Regulation 22 of the Environmental Impact Assessment Regulations, 2010. The basic assessment report must be attached to this form and must contain all the information that is necessary for the competent authority to consider the application and to reach a decision contemplated in Regulation 25, and must include:

(Checklist
for official
use only)

1.	A description of the environment that may be affected by the proposed activity and the manner in which the geographical, physical, biological, social, economic and cultural aspects of the environment may be affected by the proposed activity.	
2.	An identification of all legislation and guidelines that have been considered in the preparation of the basic assessment report.	
3.	Details of the public participation process conducted in terms of Regulation 21(2)(a) in connection with the application, including – <ul style="list-style-type: none"> (i) the steps that were taken to notify potentially interested and affected parties of the proposed application; (ii) proof that notice boards, advertisements and notices notifying potentially interested and affected parties of the proposed application have been displayed, placed or given; (iii) a list of all persons, organisations and organs of state that were registered in terms of regulation 55 as interested and affected parties in relation to the application; and (iv) a summary of the issues raised by interested and affected parties, the date of receipt of and the response of the EAP to those issues; 	
4.	A description of the need and desirability of the proposed activity;	
5.	A description of any identified alternatives to the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity;	
6.	A description and assessment of the significance of any environmental impacts, including— <ul style="list-style-type: none"> (i) cumulative impacts, that may occur as a result of the undertaking of the activity or identified alternatives or as a result of any construction, erection or decommissioning associated with the undertaking of the activity; (ii) the nature of the impact; (iii) the extent and duration of the impact; (iv) the probability of the impact occurring; (v) the degree to which the impact can be reversed; (vi) the degree to which the impact may cause irreplaceable loss of resources; and (vii) the degree to which the impact can be mitigated; 	
7.	Any environmental management and mitigation measures proposed by the EAP;	
8.	Any inputs and recommendations made by specialists to the extent that may be necessary;	
9.	A draft environmental management programme containing the aspects contemplated in	

regulation 33;	
10. A description of any assumptions, uncertainties and gaps in knowledge;	
11. A reasoned opinion as to whether the activity should or should not be authorised, and if the opinion is that it should be authorised, any conditions that should be made in respect of that authorisation	
12. Any representations, and comments received in connection with the application or the basic assessment report; S	
13. The minutes of any meetings held by the EAP with interested and affected parties and other role players which record the views of the participants;	
14. Any responses by the EAP to those representations, comments and views;	
15. Any specific information required by the competent authority; and	
16. Any other matters required in terms of sections 24(4)(a) and (b) of the Act.	

The basic assessment report must take into account -

- (a) any relevant guidelines; and
- (b) any departmental policies, environmental management instruments and other decision making instruments that have been developed or adopted by the competent authority in respect of the kind of activity which is the subject of the application.

* In terms of Regulation 22(4), the EAP managing the application must provide the competent authority with detailed, written proof of an investigation as required by section 24(4)(b)(i) of the Act and motivation if no reasonable or feasible alternatives, as contemplated in subregulation 22(2)(h), exist.

Have reasonable and feasible alternatives been identified, described and assessed?		NO X
If NO, the motivation and investigation required in terms of Regulation 22(4) must be attached as an Appendix to this document		
<i>PLEASE REFER TO THE ATTACHED BA REPORT</i>		

SECTION E: CONSULTATION WITH OTHER STATE DEPARTMENTS

Provide a list of all State Departments / Organs of State that have been consulted and registered as interested and affected parties, and to whom draft reports have been submitted for comment. **Proof of submission / delivery of the draft report to all State Department / Organs of State must be attached to this document.**

Department:	Department of Water Affairs		
Contact person:	Stanford Macevele		
Postal address:	Private Bag X10580 Bronkhorstspuit		
Postal code:	1020	Cell:	
Telephone:	013 932 2061	Fax:	013 932 2071
E-mail:	maceveleS@dwa.gov.za		

Department:	Department of Economic Development (DED)		
Contact person:	Jennifer Schreiner		
Postal address:	Private Bag X149 Pretoria		
Postal code:	0001	Cell:	
Telephone:	012 394 3241	Fax:	012 394 0255
E-mail:	Jschreiner@economic.gov.za		

Department:	Department of Rural Development and Land Reform		
Contact person:	Mduduzi Shabane		
Postal address:	Private Bag X833, Pretoria		
Postal code:	0001	Cell:	
Telephone:	013 312 8503	Fax:	012 329 5938
E-mail:	DGOoffice@ruraldevelopment.gov.za		

Department:	Department of Agriculture, Forestry and Fisheries		
Contact person:	Masala S. Muobeleni		
Postal address:	Private Bag X120, Pretoria,		
Postal code:	0001	Cell:	
Telephone:	012 319 7634	Fax:	012 329 5938
E-mail:	nhlakaD@daff.gov.za		

Department:	South African Heritage Resources Agency		
Contact person:	Jenna Lavin		
Postal address:	Ditsong Museum, 432 Paul Kruger Street, Pretoria		
Postal code:	0001	Cell:	
Telephone:	012 320 8490	Fax:	012 320 8486
E-mail:	info@sahra.org.za		

Department:	Mpumalanga Department of Agriculture, Rural Development and Land Administration (Communications)		
Contact person:	Bheki Nyathikazi		
Postal address:	Building 6, Floor 1&2 No 7 Government Boulevard Riverside Park Nelspruit		
Postal code:	1200	Cell:	
Telephone:	013 766 6133	Fax:	071 485 8634
E-mail:	nyathikazibw@mpg.gov.za		

Department:	Mpumalanga Department of Co-operative Governance and Traditional Affairs		
Contact person:	David Mahlobo		
Postal address:	Private Bag X11304, Nelspruit		
Postal code:	1200	Cell:	
Telephone:	013 766 6237	Fax:	013 766 8425
E-mail:	ilsetlongelo@mpg.gov.za		

Department:	Mpumalanga Department of Health		
Contact person:	Johnson J. Mahlangu		
Postal address:	Private Bag X11285, Nelspruit		
Postal code:	1200	Cell:	
Telephone:	013 766 3031	Fax:	013 766 3463
E-mail:	pauleckm@social.mpu.gov.za		

Department:	Mpumalanga Department of Social Development		
Contact person:	Ningi Mlangeni		
Postal address:	Private Bag X11285, Nelspruit		
Postal code:	1200	Cell:	
Telephone:	013 766 3082	Fax:	013 766 3465
E-mail:	ningim@social.mpu.gov.za		

Department:	Mpumalanga Department of Human Settlements		
Contact person:	David Dube		
Postal address:	Private Bag X11328, Nelspruit		
Postal code:	1200	Cell:	
Telephone:	013 766 6229	Fax:	013 766 8430
E-mail:	apohla@mpg.gov.za		

Department:	Mpumalanga Department of Public Works, Roads and Transport		
Contact person:	Kgopana Mathew Mohlasedi		
Postal address:	Private Bag X11310, Nelspruit		
Postal code:	1200	Cell:	
Telephone:	013 766 6978/9	Fax:	013 766 8471/67
E-mail:			

Department:	Mpumalanga Heritage Resources Agency		
Contact person:	Benjamin Moduka		
Postal address:	Private Bag X11316, Nelspruit		
Postal code:	1200	Cell:	
Telephone:	013 766 5196	Fax:	013 766 8256
E-mail:	bmoduka@mpg.gov.za		

Department:	Nkangala District Municipality		
Contact person:	Lesetja Dikgale		
Postal address:	PO Box 437, Middelburg		
Postal code:	1050	Cell:	
Telephone:	013 249 2062	Fax:	013 249 2056
E-mail:	dikgalejl@nkangaladm.org.za		

Department:	Emakhazeni Local Municipality		
Contact person:	Thandi J Shoba		
Postal address:	25 Scheepers Street, Emakhazeni (Belfast)		
Postal code:	1100	Cell:	
Telephone:	013 253 7628	Fax:	
E-mail:	shobat@emakhazenilm.co.za		

Department:	Transnet		
Contact person:	Thabi Hadebe		
Postal address:	202 Anton Lembede Street Durban		
Postal code:	4001	Cell:	
Telephone:	031 361 1454	Fax:	
E-mail:	Thami.Hadebe@transnet.net		

Department:	SANRAL		
Contact person:	Nono Gomes		
Postal address:	PO Box 415 Pretoria		
Postal code:	0001	Cell:	
Telephone:	012 426 6201	Fax:	012 348 1512
E-mail:	gomes@nra.co.za		

Department:	ESKOM		
Contact person:	John Geeringh		
Postal address:	PO Box 1091, Johannesburg		
Postal code:	2001	Cell:	
Telephone:		Fax:	
E-mail:	GeerinJH@eskom.co.za		

SECTION E: APPENDICES

The following appendices must be attached to the basic assessment report as appropriate:

Site plan(s) – **APPENDIX 1 OF THE BA REPORT – AS ATTACHED**

Photographs – **APPENDIX 2 OF THE BA REPORT – AS ATTACHED**

Facility illustration(s) – **APPENDIX 3 OF THE BA REPORT – AS ATTACHED**

Specialist reports – **APPENDIX 6 OF THE BA REPORT – AS ATTACHED**

Comments and responses report – **TO BE SUBMITTED WITH THE FINAL BA REPORT**

Other information – **APPENDIX 7 OF THE BA REPORT – AS ATTACHED (EMP)**