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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.**

(For applicant / EAP to complete)

File Reference Number:

17/2/3N-227

Project Title:

Construction of Hlalanikahle Sewer Network,
Emalaheni Local Municipality, Nkangala District
Municipality, Mpumalanga Province.

Name of Responsible Official:

Shaun MacGregor (MSc., Pr.Sci.Nat.)

(For official use only)

NEAS Reference Number:

Date Received:

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.
10. All specialist reports must be appended to this document, and all specialists must complete a declaration of independence, which is obtainable from the Department.

SECTION A: BACKGROUND INFORMATION

Project applicant:	Nkangala District Municipality		
Trading name (if any):	NA		
Contact person:	AG Zimbwa (Acting Municipal Manager)		
Physical address:	2A Walter Sisulu Street, Middelburg		
Postal address:	PO Box 437, Middelburg		
Postal code:	1050	Cell:	
Telephone:	013-249 2025 (Mokgadi Mokgolomotho, Technical Services)	Fax:	013-249 2145 (Technical Services)
E-mail:	ntekelefr@nkangaladm.gov.za (FR Ntekele, Technical Services)		

Environmental Assessment Practitioner:	Ecoleges Environmental Consultants		
Contact person:	Shaun MacGregor (MSc., Pr.Sci.Nat..)		
Postal address:	PO Box 9005, Nelspruit		
Postal code:	1200	Cell:	083 98 11 031
Telephone:	None	Fax:	086 697 9316
E-mail:	shaun@ecoleges.co.za		

Qualifications:	<p>Qualifications</p> <p>1994-1997</p> <ul style="list-style-type: none"> BSc., University of Natal, Pietermaritzburg <p>1998-2001</p> <ul style="list-style-type: none"> MSc., University of Natal, Pietermaritzburg <p>2001-2002</p> <ul style="list-style-type: none"> Field Guides Association of Southern Africa (FGASA) Level 1 <p>2002-2005</p> <ul style="list-style-type: none"> FGASA Level 2 & 3 <p>2008</p> <ul style="list-style-type: none"> IEMA Approved Foundation Course in Environmental Auditing <p>2009</p> <ul style="list-style-type: none"> SAATCA Accredited Environmental Management System ISO 14001 Audit: A Lead Auditor Course based on ISO 19011 & ISO 17021 <p>Relevant Experience</p> <p>Feb 2001 – Nov 2005</p> <ul style="list-style-type: none"> Professional Field Guide for Private Game Reserves in the Sabi Sand Wildtuin (Lionsands and Singita). <p>Dec 2005 – Mar 2007</p> <ul style="list-style-type: none"> Created and managed a small business. <p>Apr 2007 – Present</p> <p>Ecologist, Environmental Control Officer and Provisional Auditor for Ecoleges.</p>		
Professional affiliations (if any):	<p>2007</p> <ul style="list-style-type: none"> International Association for Impact Assessment, South Africa (IAIAsa) (ordinary member). <p>2008</p> <ul style="list-style-type: none"> South African Council for Natural Scientific Professions (SACNASP) (Pr. Sci. Nat.) <p>2008</p> <ul style="list-style-type: none"> Grassland Society of Southern Africa (GSSA) (ordinary member) <p>2010</p> <ul style="list-style-type: none"> Southern African Auditing and Training Certification Association (SAATCA) (member). 		

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.

Four new Sewer Collector Lines will be constructed as follows:

1. A new 200mm (OD) sewer collector line, approximately 250m long, will be constructed from an existing manhole to an existing 500mm OD outfall sewer line. The design throughput is 10ls^{-1} .
2. A new 200mm (OD) sewer collector line, approximately 200m long, will be constructed from an existing manhole to an existing 500mm OD outfall sewer line. The design throughput is 10ls^{-1} .
3. A new 200mm (OD) sewer collector line, approximately 40m long, will be constructed from an existing manhole to an existing 800mm OD outfall sewer line. The design throughput is 10ls^{-1} .
4. A new 355mm (OD) sewer collector line, approximately 550m long, will be constructed from Hlalanikahle extension 10 & 11 to an existing 800mm OD outfall sewer line. The design throughput is 99.2ls^{-1} .

Manholes will be constructed at key points along the proposed collector lines.

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 collector lines will be added to the existing Hlalanikahle Sewer Network, Emalahleni Local Municipality, Nkangala District Municipality, Mpumalanga Province (Site Layout Plan).

The surveyor of the abovementioned project, Mr Fanie Smith, has identified the Surveyor-general 21 digit site (erf/farm/portion) reference numbers for all sites (including portions of sites) that the survey crosses in Hlalanikahle X3.

- T0JS00510000145100000,
- T0JS00510000144300000,
- T0JS00510000025800000,
- T0JS00510000029000000,
- T0JS00510000001000000,
- T0JS00510000144200000,
- T0JS00000000030000029, and
- T0JS00000000029700011.

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.

In the case of linear activities:

Sewer Collector Line No. 1

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

Latitude (S):		Longitude (E):	
25°	50.966'	29°	07.579'
25°	50.952'	29°	07.637'
25°	50.938'	29°	07.703'

Sewer Collector Line No. 2

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

Latitude (S):		Longitude (E):	
25°	50.834'	29°	07.510'
25°	50.827'	29°	07.566'
25°	50.817'	29°	07.643'

Sewer Collector Line No. 3

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

Latitude (S):		Longitude (E):	
25°	50.110'	29°	07.364'
The vegetation was too thick to get a GPS reading			
25°	50.090'	29°	07.398'

Sewer Collector Line No. 4

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

Latitude (S):		Longitude (E):	
25°	50.275'	29°	06.309'
25°	50.251'	29°	06.455'
25°	50.229'	29°	06.633'

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

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.

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.

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 – (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— (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;	
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?	YES	NO
If NO, the motivation and investigation required in terms of Regulation 22(4) must be attached as an Appendix to this document		

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:	MDEDET	
Contact person:	Dineo Tswai	
Postal address:		
Postal code:		Cell: 076 644 1707
Telephone:		Fax:
E-mail:	dtswai@wit.mpu.gov.za	

Department:	MDEDET	
Contact person:	Okwethu-kuhle Fakude	
Postal address:		
Postal code:		Cell: 082 214 7435
Telephone:	013 690 2595	Fax: 013 690 3704
E-mail:	oqmatentjwa@yahoo.com	

Department:	DWA	
Contact person:	Prudence Dzambukeri Kurhula	
Postal address:	P/Bag X11259 Nelspruit	
Postal code:	1200	Cell:
Telephone:	013 759 7316	Fax:
E-mail:	dzambukerip@dwa.gov.za	

Department:	DWA	
Contact person:	Sampie Shabangu	
Postal address:	P/Bag X11259 Nelspruit	
Postal code:	1200	Cell: 082 325 9685
Telephone:	013 759 7636	Fax:
E-mail:	shabanguS2@dwa.gov.za	

Department:	DAFF	
Contact person:	Zinzile Mtotywa	
Postal address:		
Postal code:		Cell: 071 883 2768
Telephone:	013 759 7388	Fax: 086 671 0746
E-mail:	zinzilem@nda.agric.za	

Department:	Emalahleni Local Municipality	
Contact person:	G Mthimunye (Municipal Manager)	
Postal address:		
Postal code:		Cell:
Telephone:	013 690 6208	Fax:
E-mail:	mbethefak@emalahleni.gov.za	

Department:	Emalahleni Local Municipality	
Contact person:	Meisie Ndlovu (Ward Councillor)	
Postal address:		
Postal code:		Cell: 082 406 7682
Telephone:		Fax:
E-mail:		

Department:	Emalahleni Local Municipality	
Contact person:	Jappie Msibi (Ward Councillor)	
Postal address:		
Postal code:	Cell:	073 789 1521
Telephone:	Fax:	
E-mail:	jmsibi25@gmail.com	

Department:	Emalahleni Local Municipality	
Contact person:	Lydia Magabutse (Ward Councillor)	
Postal address:		
Postal code:	Cell:	073 399 4823
Telephone:	Fax:	
E-mail:	lydiamahlangu4@gmail.com	

Department:	Emalahleni Local Municipality	
Contact person:	Thami Khumalo (Ward Councillor)	
Postal address:		
Postal code:	Cell:	082 795 0540
Telephone:	Fax:	
E-mail:		

Department:	Emalahleni Local Municipality	
Contact person:	EJ Nkabinde	
Postal address:		
Postal code:	Cell:	
Telephone:	Fax:	
E-mail:	013 690 6350 nkabindeej@emalahleni.gov.za	

Department:	Emalahleni Local Municipality	
Contact person:	Phumzile Madonsela	
Postal address:		
Postal code:	Cell:	079 744 1688
Telephone:	Fax:	
E-mail:	013 690 6431 madonselap@emalahleni.gov.za	

Department:	Nkangala District Municipality	
Contact person:	AG Zimbwa (Acting Municipal Manager)	
Postal address:		
Postal code:	Cell:	
Telephone:	Fax:	
E-mail:	013 249 2004 gambulc@nkangaladm.gov.za	

Department:	Nkangala District Municipality	
Contact person:	EK Tshabalala	
Postal address:		
Postal code:	Cell:	
Telephone:	Fax:	
E-mail:	tshabalalaek@nkangaladm.gov.za	

Department:	Nkangala District Municipality	
Contact person:	Mpho Nembilwi	
Postal address:		
Postal code:	Cell:	
Telephone:	Fax:	
E-mail:	013 249 2131 nembilwim@nkangala.gov.za	

Department:	Nkangala District Municipality	
Contact person:	Boetie Mathe	
Postal address:		
Postal code:	Cell:	
Telephone:	Fax:	
E-mail:	013 249 2042 matheb@nkangaladm.gov.za	

Department:	Nkangala District Municipality		
Contact person:	Gift Mathalise		
Postal address:			
Postal code:		Cell:	076 938 4886
Telephone:	013 249 2044	Fax:	
E-mail:	mathaliseg@nkangaladm.gov.za		

Department:	Nkangala District Municipality		
Contact person:	FR Ntekele		
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:	ntekelefr@nkangaladm.gov.za		

Department:	Nkangala District Municipality		
Contact person:	Lawrence Makofane		
Postal address:			
Postal code:		Cell:	072 543 5209
Telephone:	013 249 2039	Fax:	013 249 2145
E-mail:	makofanelt@nkangaladm.gov.za		

Department:	Nkangala District Municipality		
Contact person:	Mokgadi Mokgolomotho		
Postal address:			
Postal code:		Cell:	072 229 0278
Telephone:	013 249 2025	Fax:	013 249 2145
E-mail:	mokolomothome@nkangaladm.gov.za		

SECTION E: APPENDICES

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

Site plan(s)

Photographs

Facility illustration(s)

Specialist reports

Comments and responses report

Other information