

## **Appendix E**

### **ADDITIONAL INFORMATION**

## **Appendix E1**

### **EAP DECLARATION AND EXPERTISE**



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

File Reference Number:  
NEAS Reference Number:  
Date Received:

(For official use only)

DEA/EIA/

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

#### PROJECT TITLE

**Working for Wetlands Programme: Gauteng Province**

#### Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This form is current as of 01 September 2018. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. A copy of this form containing original signatures must be appended to all Draft and Final Reports submitted to the department for consideration.
4. All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Officer Hours which is visible on the Departmental gate.
5. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.

#### Departmental Details

##### Postal address:

Department of Environmental Affairs  
Attention: Chief Director: Integrated Environmental Authorisations  
Private Bag X447  
Pretoria  
0001

##### Physical address:

Department of Environmental Affairs  
Attention: Chief Director: Integrated Environmental Authorisations  
Environment House  
473 Steve Biko Road  
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

## 1. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP Company Name:	<b>Aurecon South Africa (Pty) Ltd</b>			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition	135%
EAP name:	Simamkele Ntsengwane			
EAP Qualifications:	1. BSc (Hons) Environmental Geography 2. BSc Geography			
Professional affiliation/registration:	Member of Impact Association for Impact Assessment South Africa (IAIAsa) – Membership No 5338			
Physical address:	1 Century City Drive Waterford Precinct, Cape Town			
Postal address:	PO Box 494, Cape Town			
Postal code:	8000	Cell:	076 225 3548	
Telephone:	021 526 9560	Fax:	021 526 9500	
E-mail:	Simamkele.Ntsengwane@aurecongroup.com			

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.


## 2. DECLARATION BY THE EAP

I, **Simamkele Ntsengwane**, declare that –

- I act as the independent environmental assessment practitioner in this application;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- I undertake to disclose to the applicant and the Competent Authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

**Disclosure of Vested Interest (delete whichever is not applicable)**

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;



Signature of the Environmental Assessment Practitioner

**Aurecon South Africa (Pty) Ltd**


Name of Company:

23 / 01 / 2019

Date

**3. UNDERTAKING UNDER OATH/ AFFIRMATION**

I, Simamkele Ntsengwane, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.



Signature of the Environmental Assessment Practitioner

**Aurecon South Africa (Pty) Ltd**

Name of Company

23 / 01 / 2019

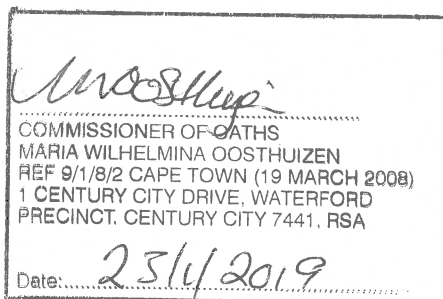
Date



Signature of the Commissioner of Oaths

23/1/2019

Date







# Simamkele Ntsengwane

## Environmental Consultant

### Qualifications

BA Geography

BSc (Hons)  
Environmental  
Geography

Full Member,  
International Association  
for Impact Assessment  
South Africa (IAIAsa)

### Specialisation

Geomorphology,  
environmental and water  
science

### Years in industry

3

Simamkele is employed as an environmental scientist in Aurecon's Cape Town office. He has extensive experience having coordinated and conducted environmental impact assessments (EIAs), basic assessment reports (BARs), environmental management programmes (EMPrs), maintenance management plans (MMPs) and on-site environmental supervision and control monitoring in numerous sectors. These include renewable energy (wind and photovoltaic (PV)), water and wastewater treatment facilities, mining and mixed-use housing developments across South Africa.

His project experience includes environmental input in the Working for Wetlands rehabilitation programme, during which some of his responsibilities included the compilation of high quality rehabilitation plans, BARs and EMPrs. He also gained valuable experience as support environmental assessment practitioner (EAP) and is involved as an environmental control officer (ECO) for the supervision for various projects as well as managing the public participation processes (PPPs).

Simamkele obtained a Bachelor of Science (Honours) in Environmental Geography from the Nelson Mandela Metropolitan University (NMMU), South Africa, in 2014 and a Bachelor in Geography from the University of Johannesburg (UJ) in 2013. In addition, he is a member of the International Association for Impact Assessment South Africa (IAIAsa).

## Experience

### **Transaction advisory services for the Angola Namibia (ANNA) Transmission Interconnector Project, Angola and Namibia, Southern African Power Pool (SAPP), 03/2017 - 03/2020, Environmental Consultant**

The project involves the provision of transaction advisory services for the Angola Namibia (ANNA) Transmission Interconnector Project feasibility study, which is a multi-disciplinary study to support an investment decision to build the interconnector. The study is being performed in three phases, with interim decision points to proceed to the next phase or not. Phase 1 entails a pre-feasibility study, including concept development; Phase 2 entails feasibility to project information memorandum (PIM) and Phase 3 entails PIM to engineering, procurement and construction (EPC) and financial close-out. A fourth phase focussing on training and knowledge transfer to the Southern African Power Pool (SAPP) and two utility sponsors, the Namibian Power Corporation (NamPower) and the Rede Nacional de Transporte de Electricidade (RNT) in Angola, is also included. Responsible for the preparation of the legislative chapter of the environmental and social impact assessment (ESIA).



**Materials supply strategy for gravel roads, Western Cape Province, South Africa, Provincial Government of the Western Cape (PGWC): Department of Transport and Public Works (DTPW), 02/2015 - 02/2020, Environmental Consultant**

Aurecon has been appointed to assist with the material supply and planning, design and control aspects for the maintenance of gravel roads in the Central Karoo and Eden District Municipalities. Services include engineering geology, environmental studies, materials source identification and project management. The contract primarily entails locating and proving suitable material sources for the re-gravelling of 300 km and maintenance activities of 45 000 km of all gravel roads in the two identified district municipalities. Member of the environmental team tasked with assisting in the initial screening of all potential material sources, determining suitable alternative borrow pit locations and selecting preferred options, applying for mineral rights in terms of the Minerals and Petroleum Resources Development Act, Act No. 28 of 2002 (MPRDA) and submitting these to the Department of Mineral Resources (DMR). Duties include compiling the draft basic assessment report (BAR) and environmental management programmes (EMPRs) to be included in term tenders for contracting work.

**Needs Camp bulk water supply scheme, Phase 5, Eastern Cape Province, South Africa, Buffalo City Metropolitan Municipality (BCMM), 12/2008 - 12/2019, Environmental Control Officer (ECO)**

Aurecon has been appointed for the design of the water supply scheme and environmental monitoring for the fifth phase of the Needs Camp project. This includes the design and project management of the Mdantsane/Bufferstrip pipeline/bulk water supply to the Needs Camp, as well as the Ncera system and Ward 18 bulk water supply. Responsible for conducting environmental audits to ensure compliance with the environmental management plans (EMPs) during the construction phase of the project.

**Environmental impact assessment (EIA) for the Impofu wind farms and grid connection, Eastern Cape Province, South Africa, Red Cap Energy (Pty) Ltd (Red Cap), 08/2017 - 10/2019, Environmental Consultant**

The project entails developing up to three wind farms on an identified site as part of the proposed Impofu Wind Energy Facility (WEF), as well as an approximately 120 km, 132 kV grid connection, including substations between the site and Port Elizabeth. Services include preparing a screening and gap analysis report for the proposed wind farms and grid connection, as well as undertaking a multi-criteria decision making (MCDM) model workshop. Environmental impact assessments (EIAs) will be undertaken for each of the proposed wind farms and a basic assessment report (BAR) will be undertaken for the grid connection and associated infrastructure to connect the wind farms to one of two existing substations in the Nelson Mandela Bay municipal area. Responsible for assisting the lead environmental practitioner with the scoping report write-up and integration of specialist studies into the scoping report as well as for the compilation of three non-technical summaries for the scoping reports.

**Stormwater maintenance management plans (MMPs) for the City of Cape Town, Western Cape Province, South Africa, City of Cape Town, 06/2016 - 06/2019, Environmental Consultant**

Aurecon has been appointed to provide professional services for the preparation of stormwater maintenance management plans (MMPs) for surface and below ground infrastructure across the City of Cape Town. The aim is to ensure due environmental diligence and compliance with the environmental authorisation of the city's stormwater maintenance programme and are to be used as a guide for operational stormwater activities, including vegetation management, erosion control, sediment management, channel enclosure, litter and debris removal as well as the construction, maintenance and expansion of minor stormwater infrastructure, maintenance of attenuation infrastructure and recreational access. Responsible for providing environmental input during the report writing of the MMPs, project management and monthly progress reports.





**National Upgrading Support Programme (NUSP) for the Sarah Baartman District Municipality, Eastern Cape Province, South Africa, Department of Human Settlement (DHS), 03/2016 - 03/2019, Social Facilitator**

The National Upgrading Support Programme (NUSP) was designed to support the Department of Human Settlement (DHS) in implementing the Upgrading Informal Settlements Programme (UISP) with the objective of eventually upgrading all informal settlements in the country. This project involves undertaking an assessment and categorising the informal settlements of the Sarah Baartman District Municipality, in accordance with the NUSP. This involves developing an upgrading strategy and programme for the informal settlements in Sarah Baartman municipal area and formulating the upgrading/layout plans and sustainable livelihood frameworks for informal settlements in the region. Responsible for facilitating stakeholder engagement to ensure that community awareness is facilitated properly.

**Fire mitigation and stormwater management for the City of Cape Town, Western Cape Province, South Africa, City of Cape Town, 03/2016 - 03/2019, Environmental Consultant**

Aurecon has been appointed to provide professional services to assist the City of Cape Town with fire mitigation measures and management and with the consolidation of the stormwater management function. This involves assessing recent fires from a stormwater risk mitigation perspective; proposing mitigation measures to urgently implement short-term and medium- to long-term interventions; assisting with construction/implementation supervision for mitigation measures for current fires; site visits; assumptions and reporting. The project also involves conceptual design for upgrading the stormwater network in Simon's Town and design options for the enclosure of the Blomvlei canal. Responsible for compiling a high-level desktop environmental sensitivity screening assessment to determine the applicability of the environmental impact assessment (EIA) regulations in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) associated with the proposed refurbishment of the Manenberg stormwater canals.

**Rehabilitation and replacement of water and sewer networks in Cape Town, Western Cape Province, South Africa, City of Cape Town Metropolitan Municipality, 05/2013 - 12/2018, Environmental Consultant**

Aurecon has been appointed to undertake water and sewer pipe rehabilitation and replacement projects in Cape Town. This included a 200 mm diameter sewer pipeline of approximately 700 m in Nyanga. Responsible for compiling a high-level desktop environmental sensitivity screening using the South African National Biodiversity Institute's (SANBI's) biodiversity geographic information system (GIS) online data. The aim of the study is to determine if the proposed works associated with the Nyanga sewage pipeline will affect any environmentally sensitive areas.

**Design and construction of sewer and water reticulation in Ntabankulu, Eastern Cape Province, South Africa, Alfred Nzo District Municipality (ANDM), 07/2010 - 12/2018, Environmental Control Officer (ECO)**

Aurecon was appointed for the design and construction supervision for sewer reticulation and a 1.2 MI wastewater treatment works (WWTW) in the town of Ntabankulu. The aim was to address the challenges faced by the Alfred Nzo District Municipality (ANDM) due to dilapidated sanitation infrastructure and water shortages in the town as well as to cater for future demand. Responsible for conducting environmental audits to ensure compliance with environmental management plans (EMPs) during the construction phase of the project.

**Environmental impact assessment (EIA) for Penhill greenfields development project, Western Cape Province, South Africa, Provincial Government of the Western Cape (PGWC): Department of Human Settlements, 12/2016 - 12/2018, Environmental Practitioner**

The Department of Human Settlements is establishing a housing development of approximately 8 000 units as part of the Southern Corridor Integrated Human Settlement Programme to upgrade informal settlements



in Cape Town. Aurecon has been appointed to undertake an environmental impact assessment (EIA) for the Penhill greenfields housing development. Responsible for the pre-application report write-up, the report write-up as well as the integration of specialist studies into the scoping report, environmental impact assessment (EIA) and managing the public participation process (PPP).

**Table Mountain Group (TMG) Aquifer exploratory phase, Western Cape Province, South Africa, City of Cape Town, 12/2015 - 12/2018, Environmental Consultant/ Environmental Control Officer (ECO)**

Aurecon has been appointed for the project management and conceptual infrastructure planning for the exploratory phase extension of the Table Mountain Group (TMG) Aquifer feasibility study and pilot project. The aquifer can provide large bulk water supply for local municipalities and irrigation water for agriculture in the Western and Eastern Cape. Aurecon's scope includes managing the exploration of groundwater in the aquifer system in order to establish the potential of the aquifer as a long-term water resource for the Western Cape. Responsible for assisting the senior environmental scientist with compiling checklist applications for the Department of Environmental Affairs and Development Planning to assess the need for environmental authorisation as well as assisting with the compilation of a site specific environmental management plan (EMP) for each of the six proposed borehole sites. Also responsible as the environmental control officer (ECO) to ensure that the mitigation measures included in the EMP are met during the drilling process.

**Engineering services for the Idutywa East water supply scheme, Eastern Cape Province, South Africa, Amathole District Municipality, 03/2012 - 10/2018, Environmental Control Officer**

Aurecon was appointed for the consulting engineering, social facilitation and environmental services for the construction of rural water supply in Idutywa. The Idutywa East Water Supply Scheme forms part of a regional scheme, which includes the Mbashe North, Bende, Mgwali South and Mgwali North schemes. Aurecon carried out the preliminary and detailed design, tender design, management of the instructional system development (ISD) component, environmental impact assessment (EIA) application, environmental control officer (ECO) services, construction monitoring and commissioning. Responsible for conducting environmental audits to ensure compliance with its environmental management plans (EMPs) during the construction phase of the project.

**Ntabankulu sewer and water reticulation, Eastern Cape Province, South Africa, Alfred Nzo District Municipality (ANDM), 07/2010 - 06/2018, Environmental Control Officer**

Aurecon was appointed for the design and construction supervision for sewer reticulation and a 1.2 MI wastewater treatment works (WWTW) in the town of Ntabankulu. The aim was to address the challenges faced by the Alfred Nzo District Municipality (ANDM) due to dilapidated sanitation infrastructure and water shortages in the town as well as to cater for future demand. Responsible for conducting environmental audits to ensure compliance with its environmental management plans (EMPs) during the construction phase of the project.

**Rehabilitation and replacement of water and sewer networks in Cape Town, Western Cape Province, South Africa, City of Cape Town Metropolitan Municipality, 05/2013 - 06/2018, Environmental Consultant**

Aurecon has been appointed to undertake water and sewer pipe rehabilitation and replacement projects in Cape Town. This included a 200 mm diameter sewer pipeline of approximately 700 m in Nyanga. Responsibilities included compiling a high-level desktop environmental sensitivity screening using the South African National Biodiversity Institute's (SANBI's) biodiversity geographic information system (GIS) online data. The aim of the study is to determine if the proposed works associated with the Nyanga sewage pipeline will affect any environmentally sensitive areas.



**Basic assessment for the Loeriesfontein Wind Energy Facility (WEF) and transmission, Northern Cape Province, South Africa, Business Venture Investments No. 1788 (Pty) Ltd (BVI), 09/2015 - 04/2018, Environmental Consultant**

The project involves the proposed construction of four wind energy facilities (WEFs) and associated infrastructure. The WEFs will be constructed in four phases, each of which would have a maximum generation capacity of 140 to 240 MW with a combined generation capacity of approximately 560 to 960 MWs near Loeriesfontein. Aurecon has been appointed to undertake the requisite environmental process as required in terms of the National Environmental Management Act: Act No. 107 of 1998 (NEMA), as amended on behalf of the proponent, Business Venture Investments No. 1788 (Pty) Ltd (BVI). Responsibilities included compiling four specific applications for environmental authorisation (EA).

**Design and supervision for the Ngqusi potable water supply project, Eastern Cape Province, South Africa, Amathole District Municipality (ADM), 01/2008 - 02/2018, Environmental Control Officer**

Aurecon was appointed for the design and supervision of all construction works for the Ngqusi potable water supply project. The project entailed the construction of approximately 135 km of gravity lines and nine reservoirs to provide water to the residents by means of 475 stand taps. Aurecon also provided technical assistance and project coordination. An estimated 2 000 households benefited from the implementation of this project. Responsible for conducting environmental audits to ensure compliance with its environmental management plans (EMPs) during the construction phase of the project. Also responsible for initiating environmental awareness training to promote adherence to the EMP.

**Needs Camp Phase 5: bulk water supply scheme, Eastern Cape Province, South Africa, Buffalo City Metropolitan Municipality (BCMM), 12/2008 - 12/2017, Environmental Control Officer**

Aurecon was involved in the design of the water supply scheme and environmental monitoring for the fifth phase of the Needs Camp project. Responsible for conducting environmental audits to ensure compliance with its environmental management plans (EMPs) during the construction phase of the project.

**Environmental impact assessment (EIA) for proposed extension of ashing facilities at Kriel Power Station, Mpumalanga Province, South Africa, Eskom, 06/2016 - 11/2017, Environmental Consultant**

Aurecon has been appointed to undertake an environmental impact assessment (EIA) for the proposed extension of an ash dam facility at the Kriel Power Station. The EIA was postponed after the scoping phase was completed in 2011 due to further geotechnical investigation being required for the preferred site. In 2016, Aurecon's appointment was amended to allow for a new EIA process to be undertaken in terms of the latest environmental legislation. Responsible for compiling the need and desirability section of the scoping report, social impact assessment (SIA) and public participation. Also responsible for assisting the senior environmental practitioner in scoping report write-up and integration of specialist studies in to the scoping report, as well as managing the public participation process (PPP).

**Hotazel Solar Park, Northern Cape Province, South Africa, juwi Renewable Energies (Pty) Ltd, 05/2016 - 10/2017, Environmental Consultant**

The project entailed the development of a 200 MW photovoltaic (PV) solar facility including a utility scale battery storage facility. Aurecon was appointed to conduct a transport study in order to confirm access routes and access points for the proposed solar development. Responsible for assisting the senior environmental impact assessment practitioner in report write-up of the scoping report.

**Working for Wetlands (WfW) rehabilitation programme: 2014 - 2017, Regional, South Africa, South African National Biodiversity Institute (SANBI), 06/2013 - 01/2017, Environmental Consultant**

Aurecon was appointed in 2013 for a three-year cycle for the design, planning, environmental, project and risk management of the South African government's Working for Wetlands (WfW) programme, which is a nationally run initiative by the South African National Biodiversity Institute (SANBI). The programme's



objective is to rehabilitate damaged wetlands and to protect wetlands in all nine provinces of South Africa, with an emphasis on complying with the principles of the expanded public works programme (EPWP) through employing only local small, medium and micro enterprises (SMMEs). Responsible for the compilation of high quality basic assessment reports (BARs), rehabilitation plans and environmental management programmes (EMPrs).

**Proposed wind energy facility (WEF) near Copperton, Northern Cape Province, South Africa, Copperton Wind Farm (Pty) Ltd, 10/2015 - 10/2016, Environmental Consultant**

The applicant, Copperton Wind Farm (Pty) Ltd, has been authorised to construct a 140 MW wind energy facility (WEF) on the Farm Struisbult (Portions 4 (a portion of Portion 2) and 7 (a portion of Portion 5) of Farm No. 103 and Portion 5 of Farm No. 104) and the relocation of an existing airstrip to Portions 1 and 2 of the Farm Smouspan (Farm No. 105), near Copperton. Aurecon undertook an environmental impact assessment (EIA) for the proposed development, which concluded on 15 August 2012 upon issue of the environmental authorisation (EA) by the Department of Environmental Affairs (DEA). The process involved the assessment of environmental impacts that were documented in the Final Environmental Impact Assessment Report (EIAR) dated March 2012 (Aurecon, 2012). Responsibilities included preparing and updating the amendment report (AMM7).

## **Appendix E2**

### **SPECIALIST DECLARATION AND EXPERTISE**



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA


### DETAILS OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
File Reference Number:	12/12/20/ or 12/9/11/L
NEAS Reference Number:	DEA/EIA
Date Received:	

Application for integrated environmental authorisation and waste management licence in terms of the-

- (1) National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014; and
- (2) National Environmental Management Act: Waste Act, 2008 (Act No. 59 of 2008) and Government Notice 921, 2013

### PROJECT TITLE

**Working for Wetlands Rehabilitation Programme: Gauteng Province**

Specialist:	L.E.R. Grobler		
Contact person:	Retief Grobler		
Postal address:	PO Box 72914, Lynnwood Ridge, Pretoria		
Postal code:	0040	Cell:	082 606 7770
Telephone:	082 606 7770	Fax:	012 365 3217
E-mail:	retiefg@gmail.com		
Professional affiliation(s) (if any)	Pr.Sci.Nat. Botanical and Ecological Sciences (registration number: 400097/09)		

Project Consultant:	Aurecon South Africa Pty (Ltd)		
Contact person:	Claire Blanché		
Postal address:	PO Box 494		
Postal code:	8000	Cell:	082 445 5438
Telephone:	021 526 6937	Fax:	021 526 9500
E-mail:	Claire.Blanche@aurecongroup.com		

4.2 The specialist appointed in terms of the Regulations\_

I, Lourens Erasmus Retief Grobler, declare that --

General declaration:

I act as the independent specialist in this application;

I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;

I declare that there are no circumstances that may compromise my objectivity in performing such work;

I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;

I will comply with the Act, Regulations and all other applicable legislation;

I have no, and will not engage in, conflicting interests in the undertaking of the activity;

I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;

all the particulars furnished by me in this form are true and correct; and

I realise that a false declaration is an offence in terms of regulation 48 and is punishable in terms of section 24F of the Act.



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Signature of the specialist:

Imperata Consulting

Name of company (if applicable):

17 January 2019

Date:

# Retief Grobler (Mr)

## (Wetland Ecologist)

<b>Name:</b>	Retief Grobler	<b>English Fluency:</b>	Excellent
<b>Discipline:</b>	Watercourse/Wetland Investigations	<b>Nationality:</b>	South African
<b>Education:</b>	M.Sc	<b>Age:</b>	38
<b>Project Position:</b>	Wetland Ecologist	<b>Years' experience:</b>	10

School	Date of Completion	Degree/Certification
University of Pretoria	2010	M.Sc (Plant Science) (cum laude)
University of Pretoria	2004	B.Sc Hons (Botany) (cum laude)
University of Pretoria	2002	B.Sc (Plant Diversity and Environmental Management)

### Certificates and Courses:

2009: Wetland Index of Habitat Integrity (Wetland IHI) training course presented by Mark Rountree, June 2009.

### Professional Affiliation:

Registered as Professional Natural Scientist (Pr. Sci. Nat) with the South African Council for Natural Scientific Professions (SACNASP) in the fields of Botanical and Ecological Science since 2009. Registration number 400097/09, registered under Mr LER Grobler.

### Career Highlights:

- Co-lecturer and founding member of a wetland short course presented with the University of Pretoria and later the University of the Free State for NGOs, government officials and consultants from 2004 to present.
- Appointed as the sole wetland specialist at Strategic Environmental Focus, an environmental consulting firm in South Africa, in January 2006.
- Formation of Imperata Consulting, a specialist wetland and watercourse consulting company, in March 2007.
- Involvement in the planning, selection and ecological assessments for the national wetland rehabilitation programme that is managed by the Working for Wetlands Programme (previously part the South African National Biodiversity Institute), under the auspices of the Department of Environmental Affairs, from 2007 to present.



- Development and implementation of a biomonitoring protocol for the pre-construction, construction and post-construction phases of the New Multi Product Pipeline (NMPP) for Transnet, a State Owned Enterprise (SOE) in South Africa. Monitoring and reporting were undertaken for seven years for more than 400 wetland, river and ephemeral channel pipeline crossings located over a distance of 555 km from 2009 to 2015.
- Obtaining an M.Sc cum laude from the University of Pretoria, Department of Plant Science in 2010. Research was focused in the field of vegetation ecology and investigated the phytosociology of peat swamp forest wetlands impacted by agriculture and related land use activities.

## Capabilities and Experience:

<b>Position:</b>	<b>Wetland Ecologist</b>	<b>Duration:</b>	<b>10 years</b>
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**Date of employment:** March 2007 to present

### Employer:

Imperata Consulting, South Africa

### Type of Projects:

Wetland/Watercourse Specialist Consulting

### Scope of Employer's Contract:

Watercourse specialist consulting for Scoping and feasibility studies, Environmental Impact Assessments (EIAs), Environmental Management Plans (EMPs), Water Use License Applications (WULAs), watercourse rehabilitation and monitoring for different project phases.

### Specific Duties and Responsibilities/ Scope of Work:

- Identification, classification and delineation (mapping) of various watercourse types
- Watercourse identification for early environmental planning/screening purposes, risk assessments and due diligence studies
- Assessments of the ecological condition of different watercourse types
- Assessment of ecosystem services performed by wetlands
- Watercourse rehabilitation, including planning, identification and the selection of targeted watercourse areas for rehabilitation, as well recommendations regarding rehabilitation interventions and actions.
- Biomonitoring of different types of watercourses during different stages of a project lifecycle, including monitoring after the implementation of watercourse rehabilitation interventions/actions
- Project specific impact assessment of watercourses and the recommendation of applicable mitigation measures.
- Green Star accreditation Eco-Conditional specialist assessments for office buildings based on criteria from the Green Building Council of South Africa (GBCSA).
- Risk matrix assessments of wetlands and other watercourses to determine the applicability of a General Authorisation (GA), or a Water Use License (WUL), for Section 21 (c) and (i) water use activities based on Government Notice (GN) 509 published in August 2016.
- Management of multi-member specialist teams for inter-disciplinary wetland and river studies.

<b>Position:</b>	<b>Wetland Ecologist</b>	<b>Duration:</b>	<b>1 years</b>
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**Date of employment:** January 2006 to February 2007

**Employer:**

Strategic Environmental Focus

**Type of Project:**

Wetland Specialist Consulting

**Scope of Employer's Contract:**

Wetland specialist consulting for Scoping studies, Environmental Impact Assessments (EIAs) and Environmental Management Plans (EMPs).

**Specific Duties and Responsibilities/ Scope of Work:**

- Delineation of wetlands and riparian habitat
- Wetland ecosystem functional assessments.
- Strategic wetland assessments and mapping, including wetland inventories.
- Description and analyses of vegetation, including the identification and mapping of sensitive vegetation units.

**Publications:**

- Grobler, R., Bredenkamp, G. & Grundling, P-L. 2004. Subsistence farming and conservation constraints in coastal peat swamp forests of the Kosi Bay Lake System, Maputaland, South Africa. *Géocarrefour* 79: 4.
- Grundling, P. & Grobler, R. 2005. Peatlands and mires of South Africa. In: Steiner, G.M. (ed.) *Mires from Siberia to Tierra Del Fuego*. *Stapfia* 85, *Landesmuseen Neue Serie* 35, pp. 379-396.
- Sliva J., Grundling P-L., Kotze D., Ellery F., Moning C., Grobler R., Taylor P.B. 2005. MAPUTALAND – Wise Use Management in Coastal Peatland Swamp Forests in Maputaland, Mozambique / South Africa. Wetlands International, Project No: WGP2 – 36 GPI 56.

**Referrals:**

**Name:** Mr Tim Liversage

**Position:** NMPP Environmental and Closure Manager: Transnet Capital Group

**Email:** Timothy.Liversage@transnet.net

**Phone:** +27 79 529 7715

**Name:** Mr Umesh Bahadur

**Position:** Director: Working for Wetlands, NRM: Wetland Programmes

**Email:** Ubahadur@environment.gov.za

**Phone:** +27 12 399 8980

**Name:** Dr Piet-Louis Grundling

**Position:** Deputy Director: Programme Implementation, Working for Wetlands, NRM: Wetland Programmes

**Email:** PGrundling@environment.gov.za

**Phone:** +27 72 793 8248

## Project Experience with Imperata Consulting (2007–current)

The table provides a summary of selected projects that indicate relevant working experience, as undertaken by Retief Grobler, for Imperata Consulting.

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Working for Wetlands Programme within the South African National Biodiversity Institute (SANBI). Sub-consultant to Land Resources International (Pty) Ltd. 2nd Floor Finlaw Building, Redlands Estate , 1 George Macfarlane Lane, Pietermaritzburg , 3201, South Africa Phone: +27 33 392 8360	Wetland assessment reports for Gauteng North, East and South. Assessment of the ecological condition of wetlands across Gauteng Province (South Africa) and the expected response of targeted wetlands in relation to the implementation of recommended rehabilitation interventions.	2007	2009	100
V&L Landscape Architects 347 Charles Street Brooklyn, Pretoria, South Africa Phone: +27 12 346 1289	Elsburgspruit wetland and habitat assessment. A wetland inventory and assessment, which included the delineation, classification and determination of the ecological condition of all wetlands within the proposed Elsburgspruit residential development.	2008	2008	100
EkolInfo 88 Rubida Street, Murrayfield, Pretoria, South Africa Phone: +27 82 579 5049	Wetland and watercourse delineation and assessment for the proposed Sun City Vacation Club and Golf Course Phase 3 Development. A wetland inventory and assessment, which included the delineation, classification and determination of the ecological condition of all wetlands within the study area for a proposed recreational and golf course development in Sun City, North West Province	2008	2008	100
Transnet Limited (Transnet Group Capital) Carlton Centre 150, Commissioner Street, Johannesburg, 2001, South Africa	Wetland Biomonitoring Assessment Report for the Mvoti to Umzimkulu Water Management Area (KP 0 – KP 161). Assessment and reporting of wetlands, river and ephemeral channel pipeline crossings for monitoring purposes during the preconstruction, construction, reinstatement and rehabilitation phases of a new multi-product hydrocarbon pipeline (Transnet NMPP Project).	2009	2015	100

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Transnet Limited (Transnet Group Capital) Carlton Centre 150, Commissioner Street, Johannesburg, 2001, South Africa Phone: +27 11 3081897	Wetland Biomonitoring Assessment Report for the Thukela Water Management Area (KP 162 – KP 296). Assessment and reporting of wetlands, river and ephemeral channel pipeline crossings for monitoring purposes during the preconstruction, construction, reinstatement and rehabilitation phases of a new multi-product hydrocarbon pipeline (Transnet NMPP Project).	2009	2015	100
Transnet Limited (Transnet Group Capital) Carlton Centre 150, Commissioner Street, Johannesburg, 2001, South Africa Phone: +27 11 3081897	Wetland Biomonitoring Assessment Report for the Upper Vaal Water Management Area (KP296 – KP555). Assessment and reporting of wetlands, river and ephemeral channel pipeline crossings for monitoring purposes during the preconstruction, construction, reinstatement and rehabilitation phases of a new multi-product hydrocarbon pipeline (Transnet NMPP Project).	2009	2015	100
AGES (Now Exigo) Eulophia Corner Building 1 Perseuor Technopark 38 Gen van Reyneveld Street, Pretoria, 0020, South Africa Phone: +27 12 751 2160	Watercourse delineation and assessment study for the proposed construction and operation of an aluminium fluoride production facility and associated infrastructure on the farm Jobarne 489 JR. An inventory and assessment of various watercourse types, which included the delineation, classification and determination of the ecological condition and impacts of all delineated watercourses for a proposed aluminium fluoride production facility.	2009	2009	100
Working for Wetlands Programme within the South African National Biodiversity Institute (SANBI). Sub-consultant to Aurecon South Africa Aurecon Centre, 1 Century City Drive, Waterford Precinct, Century City, Cape Town, South Africa Phone: +27 21 526 9400	Wetland assessment reports for Gauteng North and South. Assessment of the ecological condition of wetlands across Gauteng Province (South Africa) and the expected response of targeted wetlands in relation to the implementation of recommended rehabilitation interventions.	2010	2015	100
Clean Stream Environmental Services (Now AdiEnvironmental) 14 Skipper Street, Del Judor x2, Witbank (eMalahleni), South Africa Phone: +27 13 697 5021	Wetland assessment study for the proposed Northern Coal Colliery near Breyton. A watercourse inventory and assessment study, which included the delineation, classification and determination of the ecological condition of all wetlands and other watercourses for a proposed new underground colliery (coal mine).	2010	2010	100

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
SSI (now Royal Haskoning DHV) Building No. 5 Country Club Estate, 21 Woodlands Drive, Woodmead, 2191, South Africa Phone: +27 11 798 6000	Watercourse Assessment: Proposed Aggeneys-Paulputs 220kV Transmission Line (Bushmanland, Northern Cape). The delineation and classification of watercourses, along with a project-specific impact assessment with recommended mitigation measures for all affected wetlands and other watercourses, for a proposed new electricity transmission line for Eskom, Northern Cape Province, South Africa	2010	2011	100
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa Phone: +27 71 606 6139	Wetland and surface watercourse study for the proposed Ariadne-Venus 475 kV transmission line. The delineation and classification of watercourses, along with a project-specific impact assessment with recommended mitigation measures for all affected wetlands and other watercourses, for a proposed new electricity transmission line for Eskom, Northern Cape Province, South Africa	2010	2011	100
Land Resources International (Pty) Ltd. 2nd Floor Finlaw Building Redlands Estate 1 George Macfarlane Lane, Pietermaritzburg , 3201, South Africa Phone: +27 33 392 8360	Development of a prioritisation framework for wetland rehabilitation in Ekurhuleni Metropolitan Municipality. Development of a wetland rehabilitation strategy focused on identifying catchment impacts and pollution sources where rehabilitation interventions would be most needed	2011	2011	100
Mark Wood Consultants Address: 1 Fourth Ave, Parkwood, Gauteng, 2193, Sandton, South Africa Phone: +27 11 327 1567	Watercourse investigation for a proposed 20MW solar electricity installation at Kalgold Mine. A watercourse inventory and assessment study, which included the delineation, classification and determination of the ecological condition of all wetlands and other watercourses for a proposed new 20MW solar electricity installation at a gold mine in North West Province, South Africa.	2011	2011	100
NuLeaf Planning & Environmental 2nd Floor, Office 231, Building 8, CSIR Campus, Meiring Naude Street, Brummeria, 0184, Pretoria, South Africa Phone: +27 12 753 5792	Wetland Study (Delineation & Assessment) for the proposed Witfontein Commercial & Residential Development. A wetland inventory and assessment, which included the delineation, classification and determination of the ecological condition of all wetlands for a proposed residential development.	2011	2011	100

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Transnet Limited (Transnet Group Capital) Carlton Centre 150, Commissioner Street, Johannesburg, 2001, South Africa Phone: +27 11 3081897	Alien plant control in watercourse crossings (wetlands & rivers) report for the New Multi Product Pipeline (NMPP) Project, Trunkline Section (Jameson Park, Gauteng to Durban, KwaZulu-Natal). Assessment of the occurrence of alien plant species along watercourse pipeline crossings and the provision of recommendations to control alien plant species, as well as to monitor the success of control actions.	2011	2012	100
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa Phone: +27 71 606 6139	Watercourse study for the proposed Arnot-Ginaledi 475 kV transmission line. The delineation and classification of watercourses, along with a project-specific impact assessment with recommended mitigation measures for all affected wetlands and other watercourses, for a proposed new electricity transmission line for Eskom, Mpumalanga Province, South Africa	2012	2012	100
South African National Road Agency (SANRAL). Sub-consultant for Environamic Environmental Consultants PO Box 2644, Montana Park 0159, Pretoria, South Africa Phone: +27 82 781 9454	Watercourse investigation for the proposed upgrade of a section of the N4 Platinum Highway. A watercourse inventory and assessment, which included the delineation, classification and determination of the ecological condition of all wetlands and other watercourses for the proposed upgrade of a 3 km long section of the N4 Highway.	2012	2012	100
Enviro-Insight 862 Wapadrand Road, Wapadrand Security Village, Pretoria, 0050, South Africa Phone: +27 84 7132244	Wetland and watercourse assessment study for a proposed 75MW Photovoltaic (PV) plant and associated infrastructure on a portion of the remaining extent of Erf 1, Prieska. A watercourse inventory and assessment study, which included the delineation and classification of all wetlands and other watercourses for a proposed new 75MW Photovoltaic plant.	2012	2012	100
Aurecon South Africa Aurecon Centre, Lynnwood Bridge Office Park, 4 Daventry Street, Lynnwood Manor Phone: +27 12 427 2000	Green Star Eco-conditional office assessment for the GCIS Hatfield head office development. An assessment of the applicability of Green Star ecological criteria for a new office development, based on requirements stipulated by the Green Building Council of South Africa, which is derived from the Australian Green Star accreditation system.	2012	2012	100

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Aurecon South Africa Aurecon Centre, Lynnwood Bridge Office Park, 4 Daventry Street, Lynnwood Manor Phone: +27 12 427 2000	Green Star Eco-conditional office assessment for the USAID expansion development. An assessment of the applicability of Green Star ecological criteria for a new office development, based on requirements stipulated by the Green Building Council of South Africa, which is derived from the Australian Green Star accreditation system.	2012	2012	100
Hatch 14 Harrowdene Office Park, Western Service Road, Woodmead, South Africa Phone: +27 11 239 5300	Watercourse assessments for the Ngqura 16 MTPA manganese ore rail expansion: Area 1 & 3 (Coega – De Aar; Eastern & Northern Cape). A watercourse inventory and assessment, which included the delineation, classification and determination of the ecological condition of all wetlands and other watercourses for the proposed creation of new railway lines in the Northern and Eastern Cape Provinces.	2012	2013	100
Aurecon South Africa Aurecon Centre, Lynnwood Bridge Office Park, 4 Daventry Street, Lynnwood Manor Phone: +27 12 427 2000	Green Star Eco-conditional office assessment for the Lynnwood Bridge retail phase 3 development. An assessment of the applicability of Green Star ecological criteria for a new office development, based on requirements stipulated by the Green Building Council of South Africa, which is derived from the Australian Green Star accreditation system.	2013	2013	100
Environmental Impact Management Services (EIMS) Block 5, Fernridge Office Park. 5 Hunter Road Phone: +27 11 789 7170	Watercourse assessment for the Douglas-Hopetown road upgrade project. A watercourse inventory and assessment study, which included the delineation, classification and determination of the ecological condition of all wetland and other watercourse crossings for the proposed upgrade of a 60 km long dirt road.	2013	2013	100
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa, Phone: + 27 71 606 6139	Specialist Medupi-Borutho 400 kV Power Line Environmental Management Plan (EMP) for Watercourses & Drainage Lines. A walk-down EMP specialist study along a 170 km long power line route to investigate the presence/absence of watercourse habitat and their ecological condition at each proposed tower position. Site specific impact mitigation measures were provided for each tower affected by watercourses along the entire alignment.	2013	2013	100

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa, Phone: + 27 71 606 6139	Specialist Gromis-Orangemund 400 kV Power Line Environmental Management Plan (EMP) – Watercourses & Drainage Systems. A watercourse inventory and assessment study, which included the delineation, classification and determination of the ecological condition of all wetlands and other watercourses for a proposed new transmission line for Eskom.	2013	2013	100
Mark Wood Consultants. Sub-consultant to De Castro & Brits Ecological Consultants. 23 Amajuba Road, Noordheuwel, Krugersdorp, Gauteng Province, South Africa. Phone: +27 84 803 7205	Environmental Impact Assessment for the Sasol PSA and LPG Project: Botanical Biodiversity and Terrestrial and Wetland Habitat. A watercourse inventory and assessment investigation, which included the delineation, classification and determination of the ecological condition of all wetland and other watercourse crossings for proposed new oil and gas extraction wells, including approximately 100 km of associated pipelines near Innassoro, Inhabane province, Mozambique.	2014	2014	100
NuLeaf Planning & Environmental 2nd Floor, Office 231, Building 8, CSIR Campus, Meiring Naude Street, Brummeria, 0184, Pretoria, South Africa Phone: +27 12 753 5792	Watercourse Investigation for the Proposed Bhundu Inn Hotel and Conference Centre on Portion 174 of the Farm Goederede 60 JS, Mpumalanga Province. Assessment of different watercourses (delineation, classification and impact assessment) for the development of a conference and recreational facility.	2014	2014	100
Umhlaba Environmental Consulting CC Lifestyle Riverfront Office Park, Unit C12, 21 Bosbok Road, Randpark Ridge Phone: +27 11 791- 3389	Wetland Delineation and Pan Assessment Study for the Proposed Phoenix Gold Plant & Tailings Storage Facility, Nigel, Gauteng Province. An ecological assessment and collection of baseline data for vegetation monitoring of different pan (depression) wetland plant communities that will be affected by a proposed tailing dam development.	2014	2014	100
De Castro & Brits Ecological Consultants 23 Amajuba Road, Noordheuwel, Krugersdorp, Gauteng Province, South Africa. Phone: +27 84 803 7205	Baseline Watercourse Delineation and Assessment Study for the Proposed Extension to Belfast Silica Mine (Belfast, Mpumalanga Province). A baseline watercourse inventory and assessment study, which included the delineation, classification and determination of the ecological condition of all wetlands and other watercourses for a proposed expansion of an existing silica mine, near Belfast, Mpumalanga Province South Africa.	2014	2015	100



Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa, Phone: + 27 71 606 6139	Specialist Watercourse and Wetland Study for the Proposed 500kV Nzhelele to Triangle Eskom Powerline Project (RSA Section Only) EIA Project. Assessment of different watercourses (delineation, classification and impact assessment) along three different corridor alternatives, each alternative with an approximate length of 65 km.	2014	2016	100
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa, Phone: + 27 71 606 6139	Specialist Watercourse and Wetland Study for the Proposed Eskom 400kV Bloemfontein Strengthening Project Phase 2, Free State Province. Assessment of different watercourses (delineation, classification and impact assessment) along various corridor alternatives over a distance of approximately 200 km.	2014	2016	100
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa, Phone: + 27 71 606 6139	Everest-Merapi 400 kV Eskom Power Line Environmental Management Plan (EMP) Watercourse Assessment. A walk-down EMP specialist study along a 110 km long power line route to investigate the presence/absence of watercourse habitat and their ecological condition at each proposed tower position. Site specific impact mitigation measures were provided for each tower affected by watercourses along the entire alignment.	2015	2015	100
Baagi Environmental Consultancy 434 Lois Avenue, Waterkloof Glen, 0181, Pretoria, South Africa, Phone: + 27 71 606 6139	Specialist wetland assessment for a Water Use License Application (WULA) and Land Maintenance Plan for the Everest-Merapi 400 kV Eskom Power Line, located in the Free State Province along a 110km long route.	2016	2016	100
Environmental Impact Management Services (EIMS) Block 5, Fernridge Office Park. 5 Hunter Road Phone: +27 11 789 7170	Specialist Watercourse Assessment for the Proposed New Overaal Tunner near Ermelo, Mpumalang Province, along the Transnet Richards Bay Coal Line. Baseline assessment of different watercourses (delineation, classification and impact assessment) for a proposed new railway line of approximately 2 km long.	2015	2015	100
SE Solutions Suite 51, Private Bag X108, Centurion, 0084, Pretoria, South Africa Phone: +27 12 643 0190	Watercourse Investigations for the Barkly East, Hartswater, Hlabisa, Mbazwana, Nondweni and Skhemelele Landfill Sites (LFS) in the Eastern Cape, Northern Cape and KwaZulu-Natal Provinces. Assessment of different watercourses (delineation, classification and impact assessment) for licensing purposes at six existing landfill site in three different provinces across South Africa.	2015	2015	100

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Environmental Impact Management Services (EIMS) Block 5, Fernridge Office Park. 5 Hunter Road Phone: +27 11 789 7170	Wetland Study for the Proposed Dolos Giraffe Eskom Substation, Free State Province. Assessment of different watercourses (delineation, classification and impact assessment) at various site alternatives in the Western Free State Province, South Africa – Eskom.	2015	2015	100
NuLeaf Planning & Environmental 2nd Floor, Office 231, Building 8, CSIR Campus, Meiring Naude Street, Brummeria, 0184, Pretoria, South Africa Phone: +27 12 753 5792	Kaalspruit River and Wetland Rehabilitation Study, Tembisa, Gauteng Province. Baseline assessment of different watercourses (delineation, classification and ecological assessment) for the development of a rehabilitation plan for the Kaalspruit system.	2015	2016	100
De Castro & Brits Ecological Consultants 23 Amajuba Road, Noordheuwel, Krugersdorp, Gauteng Province, South Africa. Phone: +27 84 803 7205	Watercourse Delineation and Assessment Study for Proposed New Mining Infrastructure on the Farms Frischgewaagd and Mimosa, North West Province. Baseline assessment of different watercourses (delineation, classification and impact assessment) for proposed new mining infrastructure at Wesizwe Mine, North West Province, South Africa.	2015	2016	100
Rossouw and Associated Soil and Water Science Address: 88 Rubida Street, Murrayfield, Pretoria Phone: +27 76 907 3422	Mintails Pipeline Water Use License Application (WULA) Wetland Assessment. Baseline assessment of a pan (depression) wetland affected by a pipeline crossing used for the transportation of reclaimed tailings sludge.	2015	2016	100
Environmental Impact Management Services (EIMS) Block 5, Fernridge Office Park. 5 Hunter Road Phone: +27 11 789 7170	Watercourse Specialist Assessment Report for the Mopani District Water & Wastewater Programme: Giyani Water Pipelines. Baseline assessment of different watercourses (delineation, classification and impact assessment with rehabilitation recommendations) for new water pipeline lines (pipeline sections A, B, C, C2, D, D1, D2, F1, and F2) with a combined length of approximately 250 km.	2015	2017	80

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
Environmental Impact Management Services (EIMS) Block 5, Fernridge Office Park. 5 Hunter Road Phone: +27 11 789 7170	Watercourse Specialist Assessment Report for the Mopani District Water & Wastewater Programme: Six Quarry Pits. Baseline assessment of different watercourses (delineation, classification and impact assessment) for six new and existing quarry pits.	2016	2016	100
Environmental Impact Management Services (EIMS) Block 5, Fernridge Office Park. 5 Hunter Road Phone: +27 11 789 7170	Watercourse Specialist Assessment Report for the Mopani District Water & Wastewater Programme: Giyani and Namakgale Waste Water Treatment Works. Baseline assessment of different watercourses (delineation, classification and impact assessment) for the expansion of two existing waste water treatment works	2016	2016	100
Umlhlab Environmental Consulting CC Lifestyle Riverfront Office Park, Unit C12, 21 Bosbok Road, Randpark Ridge Phone: +27 11 791- 3389	Baseline Wetland Assessment for Raumix Alpha, Rayton Area (Gauteng Province). Assessment of different watercourses (delineation, classification and impact assessment) for an existing Sand Quarry.	2016	2016	100
Aurecon South Africa Aurecon Centre, Lynnwood Bridge Office Park, 4 Daventry Street, Lynnwood Manor Phone: +27 12 427 2000	Ecohydrology Study (Watercourse Delineation, Classification, Assessment and Habitat Scan) for the Proposed Origin Sewage Pipeline, Menlyn, Pretoria, Gauteng Province.	2016	2016	100
Environmental Impact Management Services (EIMS) Block 5, Fernridge Office Park. 5 Hunter Road Phone: +27 11 789 7170	Watercourse Delineation and Assessment Study for the Proposed Loop 16 Road Upgrade, Groblershoop, Northern Cape Province. Assessment of different watercourses (delineation, classification and impact assessment) along a dirt road of approximately 15 km long that is to be upgraded.	2016	2016	100
Transnet Limited (Transnet Group Capital) Carlton Centre 150, Commissioner Street, Johannesburg, 2001, South Africa Phone: +27 11 3081897	Pump Station 5 Spill Basin Water Discharge Wetland Study for the Purpose of a General Authorisation for a Section 21 (f) and (g) Water Use Activities. KwaZulu Natal Province, South Africa.	2016	2017	95

Client Name & Contact Details	Contract Title and Brief Description of Work	Duration		% Complete
		From	To	
AECOM South Africa 263A West Avenue, Die Hoewes Centurion, Pretoria, 0157 South Africa Phone: +27 12 421 3500	Scoping Phase Specialist Watercourse Study for the Noordoewer-Vioolsdrif Dam (NVD) Project, in the Orange River, separating South Africa and Namibia. Desktop assessment of different watercourses (delineation, classification and impact identification) in the Orange River, which forms the boundary between South Africa and Namibia – Department of Water and Sanitation (DWS)	2016	2016	100
Working for Wetlands, NRM: Wetland Programmes, Department of Environmental Affairs. Sub-consultant to Aurecon South Africa Aurecon Centre, 1 Century City Drive, Waterford Precinct, Century City, Cape Town, South Africa Phone: +27 21 526 9400	Wetland assessment reports for Gauteng North. Assessment of the ecological condition of wetlands located within the Gauteng North project area and the expected response of targeted wetlands in relation to the implementation of recommended rehabilitation interventions and actions.	2016	2016	100
Mokgope Consulting 49 3rd Avenue, Highlands North, 2192 Johannesburg Tel: +27 11 011 4401817	Wetland and Watercourse EIA Report for the Proposed Aggeneis-Paulputs 400kV Power Line, Northern Cape Province - Eskom	2016	2017	100
NS Environmental Consultancy First Floor, Unit 2, Block 1a, Kingfisher Office Park, 28 – 32 Siphosethu Road, Mount Edgecombe, 4032 South Africa Tel: +27 12 450 3851	Wetland Risk Matrix Assessment Study for Holding 63 of Johandeo Agricultural Holdings, Sebokeng, Gauteng Province	2016	2017	100
JL Design PO Box 61, Southdowns Estate, 0123, Pretoria, South Africa Tel: +27 82 654 3758 Email: info@jldesign.co.za	Wetland Risk Matrix Assessment Study for Portion 21 of Erf 2440, Newcastle, KwaZulu-Natal Province	2017	2017	100
Wet Earth Eco-Specs P.O. Box 4442, Lydenburg, South Africa. 58 Church Street, Lydenburg, 1120. T: +27 13 235 2889	Baseline Wetland Assessment Report for the D714 Road Upgrade and Realignment Project between Brandspruit and Impumelelo Mines – Sasol Mining	2017	2017	100

## **Appendix E3**

### **WETLAND FORUM MEETING MINUTES**



## Gauteng Wetland Forum Minutes

25 May 2018

Endangered Wildlife Trust (EWT), Modderfontein

10h00-13h00



No	Item	Action
1.	<b>Welcome</b> <ul style="list-style-type: none"> <li>The chairperson of the forum welcomed everyone to the meeting.</li> </ul>	B Mashau
2.	<b>Introduction of Attendees</b> <ul style="list-style-type: none"> <li>The chairperson gave everyone who attended the meeting an opportunity to introduce themselves and requested that they fill in the attendance register which was circulated. Those who wish to receive communication must please indicate on their names with a star.</li> </ul> <b>See attached register on the minutes.</b>	All
3.	<b>Apologies</b> <p>See attached attendance register.</p>	All
4.	<b>Minutes of the Previous Meeting</b> <ul style="list-style-type: none"> <li>Minutes were interrogated by all present, and adopted as a true reflection of the day.</li> </ul>	All
5.	<b>Matters Arising from the Previous Minutes</b> <ul style="list-style-type: none"> <li>No matters arising were noted, most items reflect on the Agenda for the current meeting.</li> </ul>	All
6.	<b>Additions to the Agenda</b> <ul style="list-style-type: none"> <li>No items</li> </ul>	All
7.	<b>Items for Presentation</b> <ul style="list-style-type: none"> <li>National Wetland Monitoring</li> <li>Soil Classification System for South Africa</li> <li>Wet Soils in revised soils classification Book</li> </ul> <b>See attached Presentations for perusal</b>	Elijah Mogakabe from DWS  Dr Gary Paterson  Dr David Turner
8.	<b>Financial Report</b> <ul style="list-style-type: none"> <li>There is currently R90 003.00, in the GPF account, and R55 357.00 in the Wetland Society Account.</li> </ul>	Judith Taylor
9.	<b>Working Groups Report Back</b>	
9.1	<b>Education and training</b> <ul style="list-style-type: none"> <li>No Activities have taken place.</li> </ul> <b>Marketing and Awareness</b> <ul style="list-style-type: none"> <li>No Report for current meeting</li> </ul> <b>Wetland Database</b>	Bismark Mashau  Happy Khumalo  Paul Fairall

<p>9.2</p>	<ul style="list-style-type: none"> <li>• There is no report for the current meeting as Paul rendered an apology.</li> </ul> <p><b>Catchment forums</b></p> <p><b>Blesbokspriut</b></p> <ul style="list-style-type: none"> <li>• Experiencing various challenges ranging from Acid Mine Drainage, illegal extraction of Water.</li> <li>•</li> </ul> <p><b>Klipriver</b></p> <ul style="list-style-type: none"> <li>• No Report</li> </ul> <p><b>Hennops Forum</b></p> <ul style="list-style-type: none"> <li>• Current reports on illegal sand mining, detailed report to be submitted.</li> </ul> <p><b>Jukskei Forum</b></p> <ul style="list-style-type: none"> <li>• Currently not taking place as it should, there are a lot of challenges experienced.</li> <li>• Stakeholders are willing to participate but not take over the meeting, DWS was then requested to look into chairing and convening the meetings.</li> </ul>	<p>Pule Makena</p>
<p>10</p> <p>10.1</p>	<p><b>Departmental Feedback</b></p> <p><b>DWS</b></p> <p>The department had a water week event in March 18.</p> <p><b>Law Enforcement:</b> There was a complaint of sand mining in the Winterveldt that was reported in the Toloane River. Investigations were conducted, the illegal mining was stopped, and monitoring is taking place regularly. Unlawful sand mining is a challenge experienced in communities, the department is monitoring and investigating.</p> <p>Regional officers will be joining the Forum and reporting on cases in the respective areas of work.</p> <p>From 1 – 24 May: 25 cases have been reported through the hotline, they are waste water related and some are being investigated.</p>	<p>Lumka Kuse</p>
<p>10.2</p>	<p><b>DAFF</b></p> <ul style="list-style-type: none"> <li>• No report for the current Meeting</li> </ul>	<p>Phyllistas Makaola</p>





	<ul style="list-style-type: none"> <li>• A Gauteng Water Summit was held and attended by reps from the association.</li> </ul> <p><b>General</b></p> <ul style="list-style-type: none"> <li>• Municipalities are currently having various challenges ranging from: purification works not running optimally but between 60-65%, lack of resources especially funds for repairs and maintenance. Therefore it was suggested that A National Campaign be conducted and Northern Farms Works should be prioritized.</li> <li>• <b>National Stakeholder Meeting for the EastRand:</b> Venue: Maryvail Bird Sanctuary, Date: 31 May 2018</li> <li>• <b>Wetland Indada:</b> It will be held in Kimberly from 8-11 October 2018.</li> <li>•</li> </ul>	
<b>12.</b>	<p><b>Next Meeting</b></p> <ul style="list-style-type: none"> <li>• 31 August 2018: 10h00-13h00.</li> </ul>	B Mashau
<b>13.</b>	<p><b>Closure</b></p> <ul style="list-style-type: none"> <li>• The chairperson closed the meeting after he had thanked all GWF members for attending the meeting.</li> </ul>	B Mashau