

## **Appendix E**

### **ADDITIONAL INFORMATION**

## **Appendix E1**

### **EAP DECLARATION AND EXPERTISE**



# environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA


## DETAILS OF EAP 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 Programme: Gauteng Province**

Environmental Assessment Practitioner (EAP):	Aurecon South Africa Pty (Ltd)		
Contact person:	Franci Gresse		
Postal address:	PO Box 494		
Postal code:	8000	Cell:	-
Telephone:	021 526 6022	Fax:	021 526 9500
E-mail:	Franci.Gresse@aurecongroup.com		
Professional affiliation(s) (if any)	Ms Gresse served on the committee of the South African affiliate of the International Association for Impact Assessment (IAIAsa) for the Western Cape Branch from 2009 to 2011, and remains a member.		

Project Consultant:	<b>As Above</b>		
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

#### 4.2 The Environmental Assessment Practitioner

I, **Franci Gresse**, declare that –

General declaration:

I act as the independent environmental practitioner 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 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 take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;

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;

I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;

I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;

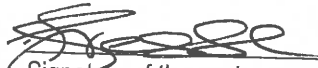
I will keep a register of all interested and affected parties that participated in a public participation process;

I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not;

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

will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; 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.



Signature of the environmental assessment practitioner:

**Aurecon South Africa (Pty) Ltd**

Name of company:

**09 November 2017**

Date:





## Franci Gresse

Franci is a senior environmental practitioner in Aurecon's Cape Town office. She has been involved in various environmental investigations, including environmental impact assessments (EIA's), environmental management plans (EMP's), environmental management programmes (EMP's), rehabilitation plans maintenance management plans (MMP's) and fatal flaw analysis.

Franci has been involved with the Working for Wetlands rehabilitation programme for the past five years, of which she has been acting as the Team Leader for the environmental assessment practitioners (EAP's) for the last three years. The Working for Wetlands project won the 2012 Aurecon Chairman's Award for its positive contribution to the natural and social environment. In addition, Franci has also been involved with a number of projects in the renewable energy sector.

Franci served on the committee of the South African affiliate of the International Association for Impact Assessment (IAIA) for the Western Cape Branch from 2009 to 2011, and remains a member. She completed a Bachelor of Science and an Honours Degree in Conservation Ecology at the University of Stellenbosch (South Africa).

### Qualifications

BSc (Hons) Conservation Ecology

Member, International Association of Impact Assessment (IAIA)

### Specialisation

Environmental Impact Assessment Practitioner

### Years in industry

8.08

## Experience

### **Working for Wetlands plan 2016 - 2018, Regional South Africa, Department of Environmental Affairs: Natural Resource Management Directorate, 06/2016 - Date, Project Leader**

The Natural Resource Management Directorate of the Department of Environmental Affairs appointed Aurecon to provide environmental and engineering services for the Working for Wetlands Programme which is a national wetland rehabilitation programme. Responsibilities include the management and coordination of the overall project, management of the environmental authorisation component of the project, as well as the compilation of basic assessment reports (BAR) for the country. Other responsibilities include the compilation of wetland rehabilitation plans for the Western Cape, Northern Cape and Limpopo Provinces, liaison with authorities and the public (public participation process) and management of wetland specialists.

### **Integrated Environmental Impact Assessment (EIA) for the proposed extension of the Ash Dam facility at Kriel power station, Mpumalanga Province, South Africa, Eskom Holdings, 06/2016 - date, Project Leader**

Appointed by Eskom to conduct an integrated environmental impact assessment (EIA) for the proposed construction of a fourth ash dam facility at the Kriel power station. Responsible for the general project management and finances, authority liaison and the compilation and review of the EIA documentation.

### **Amended Environmental and Socio-Economic Impact Assessment for a concentrated solar plant facility near Arandis in the Erongo Region, 02/2016 – 10/2016, Project Leader**

Aurecon was appointed by the NamPower to amend the Environmental Clearance Certificate (ECC) issued for the Erongo Coal-fired Power Station at Arandis, to a Concentrated Solar Plant. Responsibilities included project management (programme, finances and client expectations), liaison with authorities and relevant stakeholders, review of specialist reports and the compilation and review of the Amendment Report.



## Franci Gresse Senior Environmental Impact Assessment Practitioner

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### **Table Mountain Group (TMG) Aquifer feasibility study and pilot project, Western Cape Province, South Africa, City of Cape Town, 2015 - date, Environmental Consultant**

The TMG Aquifer Feasibility Study and Pilot Project was initiated in 2002 and is a long term planning initiative to investigate the groundwater potential of the TMG Aquifer as a water source to augment Cape Town's water supply. Given the recommendations in the Exploratory Phase report, and the fact that the TMG Aquifer has since been utilised as a water resource in areas such as Hermanus and Oudtshoorn, the City of Cape Town decided to omit the Pilot Phase and rather proceed with an extended Exploratory Phase, which would include limited pump testing. Aurecon was appointed to undertake the extended Exploratory Phase work. Responsibilities include the compilation of Environmental Management Plans for the additional test sites, liaison with the relevant authorities and landowners and management of the Environmental Control Officers on the project.

### **Implementation of the Hoekplaas environmental authorisation (EA), Northern Cape Province, South Africa, Mulilo Renewable Energy, 11/2013 - 05/2015, Project Leader**

Aurecon assisted the holder of the environmental authorisation (EA) for the 100 MW photovoltaic (PV) facility in De Aar with the implementation of the environmental conditions to ensure compliance to all relevant environmental legislation. Responsible for the management of tasks and review of all documentation. Also assisting client with questions on the environmental impact assessment (EIA) process.

### **Environmental impact assessment and compilation of an environmental management plan (EMP) for the Swakopmund-Mile 7 Water Supply, Phase 2, Swakopmund, Namibia, NamWater, 11/2013 - 10/2015, Project Leader**

NamWater appointed Aurecon to assist with the environmental impact assessment process for the proposed construction of a new bulk water pipeline between Swakopmund and Mile 7. Responsible for the management and review of the environmental impact assessment (EIA) reports and processes, as well as the project's finances.

### **Working for Wetlands plan 2014 - 2016, Regional South Africa, South African National Biodiversity Institute (SANBI), 06/2013 – 05/2016, Task Leader**

The South African National Biodiversity Institute (SANBI) appointed Aurecon to provide environmental and engineering services for the Working for Wetlands Programme which is a national wetland rehabilitation programme. Responsible for the management of the environmental authorisation component of the project, as well as the compilation of basic assessment reports (BAR) for the country. Other responsibilities include the compilation of wetland rehabilitation plans for the Western Cape, Northern Cape, North West and Limpopo Provinces, liaison with authorities and the public (public participation process) and management of wetland specialists.





## Franci Gresse Senior Environmental Impact Assessment Practitioner

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### **Maintenance management plans (MMP's) for flood damaged road infrastructure, Western Cape Province, South Africa, Western Cape Provincial Government Department of Transport and Public Works, 06/2013 - Date, Project Staff**

The project entails the compilation of maintenance management plans (MMP's) for two local municipal areas (Laingsburg and Worcester), as well as obtaining the necessary permits/ water use authorisations. Personally involved during the project commencement with regards to strategy development, meetings with the relevant authorities and assistance with the development of the MMP's.

### **Environmental impact assessment (EIA) for the expansion of approved solar energy facilities located near Prieska and De Aar, Northern Cape Province, South Africa, Mulilo Renewable Energy, 03/2013 - 09/2015, Phase Leader**

Mulilo Renewable Energy decided to expand the approved solar energy facilities on the farms Hoekplaas and Klipgats in Prieska, as well as on the farms Badenhorst Dam and Du Plessis Dam in De Aar. The expansion of Hoekplaas farm in Prieska includes ten additional 75 MW photovoltaic (PV) facilities and six additional PV units at Klipgats Pan farm. The expansion at Badenhorst Dam farm includes four additional 75 MW PV facilities and three additional PV units at Du Plessis Dam farm. Responsible for the management and review of the environmental impact assessment (EIA) reports and processes, as well as the project's finances.

### **Fatal flaw study for two potential Wind Energy Facility (WEF) sites, Northern and Western Cape Provinces, South Africa, Juwi Renewable Energies (Pty) Ltd, 03/2013 - 04/2013, Environmental Practitioner**

The study entailed a fatal flaw analysis of two potential wind energy facility (WEF) sites in the Northern and Western Cape Provinces. Responsible for the assessment of the sites and compilation of the fatal flaw report.

### **Richtersveld wind energy facility (WEF), Northern Cape Province, South Africa, TRE Tozzi Renewable Energy S.p.A and Guma Group, 07/2012 - 09/2013, Environmental Practitioner**

The project entailed a due diligence of the proposed wind energy facility (WEF) to review compliance with the requirements of the Department of Energy's independent power producer (IPP) process. Responsible for the review of the environmental reports and compilation of the due diligence report.

### **Three photovoltaic (PV) energy facilities near Copperton, Northern Cape Province, South Africa, Mulilo Renewable Energy (MRE), 09/2011 - 05/2015, Environmental Practitioner**

The project entailed three environmental impact assessments (EIA's) for three photovoltaic (PV) energy facilities comprising 75 MW to 150 MW, located near Copperton. Responsible for the management the EIA process and project specialists, compilation of scoping and EIA reports and liaison with authorities.

### **Fatal flaw study for four potential wind energy facility (WEF) sites, Northern and Western Cape Provinces, South Africa, Mainstream Renewable Power South Africa, 11/2011 - 05/2012, Environmental Practitioner**

The study entailed a fatal flaw analysis of four potential wind energy facility (WEF) sites across the Northern and Western Cape Provinces. Responsible for the management of specialists, review of reports, assessment of the sites and compilation of the fatal flaw report.



## **Franci Gresse Senior Environmental Impact Assessment Practitioner**

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### **Implementation of the Klipgats Pan environmental authorisation (EA), Northern Cape Province, South Africa, Mulilo Renewable Energy, 09/2011 - 05/2015, Project Leader**

Aurecon was appointed to undertake three environmental impact assessments (EIA's) for three proposed photovoltaic (PV) solar energy plants near Copperton. The first PV solar energy plant will generate around 100 MW (preferred alternative) or 150 MW (alternative) on the Hoekplaas Farm (Farm 146/RE). The proposed PV plant will cover approximately 300 ha (preferred alternative) or 450 ha (alternative). The second includes a PV solar energy plant to generate roughly 100 MW on the farm Klipgats Pan (Farm 117/4) near Copperton in the Northern Cape. The proposed PV plant will cover an estimated 300 ha. An alternative site for a 100 MW PV plant with a 300 ha footprint is also being considered. The third comprises a PV solar energy plant to generate about 100 MW (preferred alternative) or 300 MW (alternative) on the farm Struisbult (Farm 104, portion 1) which will cover 300 ha to 900 ha. Responsible for managing tasks and reviewing all documentation for updating the environmental management plan (EMP) and implementing the environmental authorisation (EA). Also assisted client with questions on the EIA process.

### **Proposed rehabilitation of Wetlands as part of the Working for Wetlands, Regional, South Africa, South African National Biodiversity Institute (SANBI), 08/2011 - 09/2013, Environmental Practitioner**

Appointed by the South African National Biodiversity Institute (SANBI) to conduct environmental impact assessments (EIA's) for the rehabilitation of specific wetlands in all provinces of South Africa over a five year period. Responsible for the compilation of basic assessment reports (BAR) and Wetland Rehabilitation Plans for the Western Cape, Northern Cape, Gauteng and Limpopo Provinces. Other responsibilities included liaison with authorities, public participation process, management of specialists and general project management of the environmental component of the project.

### **Repair of flood damage to road structures in the Eden District Municipality, Western Cape Province, South Africa, Western Cape Provincial Department of Transport and Public Works, 01/2011 - Date, Environmental Practitioner**

The project entails the compilation of maintenance management plans (MMP) for seven areas within the Eden District Management Area to repair. Responsible for compilation of MMP's, review of reports and liaison with stakeholders and authorities.

### **Environmental impact assessment (EIA) for the proposed extension of the Ash Dam facility at Kriel power station, Mpumalanga Province, South Africa, Eskom Holdings, 11/2009 - 12/2015, Environmental Practitioner**

Appointed by Eskom to conduct an environmental impact assessment (EIA) for the proposed construction of a fourth ash dam facility at the Kriel power station. Responsible for the general project management and finances, screening process, compilation of the scoping and EIA reports, public participation and the compilation of a waste management licence application.



## **Franci Gresse Senior Environmental Impact Assessment Practitioner**

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### **Environmental impact assessment (EIA) for proposed relocation of solar energy facility, Onder Rietvlei Farm, Aurora, Western Cape Province, South Africa, Solaire Direct Southern Africa, 2010 - 2011, Project Leader**

Appointed by Solaire Direct to undertake a basic environmental impact assessment (EIA) process for the proposed relocation of an approved, but not yet constructed 10 MW solar energy facility. Responsible for the management and review of the EIA process and finances.

### **Environmental impact assessment (EIA) for proposed solar energy facility, Onder Rietvlei Farm, Western Cape Province, South Africa, Solaire Direct Southern Africa, 07/2010 - 02/2012, Environmental Practitioner**

Appointed by Solaire Direct to undertake a basic environmental impact assessment process for the proposed construction of a 10 MW solar energy facility. Responsible for the compilation of the draft and final reports, public participation process, management of specialists and general project management.

### **Proposed Paarl Mountain and Ysterbrug pumping main upgrades, Western Cape Province, South Africa, Drakenstein Municipality, 06/2010 – 12/2015, Environmental Advisor**

The Drakenstein Municipality appointed Aurecon's engineers to investigate and plan the proposed upgrade of the Paarl Mountain and Ysterbrug Pumping Scheme. The upgrading of the pipelines feeding the Meulwater Water Treatment Works from the Bethel and Nantes dams, also part of this scheme, was also investigated. Responsible for providing advice on environmental processes required. Other responsibilities included the management of the independent environmental assessment practitioner and the review of all environmental impact assessment (EIA) documentation.

### **Environmental sensitivity study (ESS) for a proposed solar energy facility on a farm Near Aurora, Western Cape Province, South Africa, Solaire Direct Southern Africa, 2010, Environmental Practitioner**

Appointed to provide an environmental sensitivity study (ESS) which inter alia highlights the potential constraints ('red flags') and opportunities presented by the site from an environmental perspective. Responsible for the compilation of the ESS.

### **Proposed remediation, rehabilitation and restoration of the Spruit, Krom, Leeu and Palmiet Rivers, Western Cape Province, South Africa, Drakenstein Municipality, 2009 - 2010, Environmental Practitioner**

Appointed by the Drakenstein Municipality to undertake the requisite environmental impact assessment (EIA) process for the rehabilitation, remediation and stabilisation of four rivers in Paarl and Wellington. Responsible for the EIA and public participation processes.

### **Proposed construction of a new pipeline from Bovlei Winer to Withoogte Dam, Wellington, Western Cape Province, South Africa, Drakenstein Municipality, 2009 - 2010, Environmental Practitioner**

The Drakenstein Municipality proposed to replace a section of the existing pipeline extending from the Withoogte Dam to the Welvanpas Reservoir near Wellington as part of the municipality's water master plan in order to improve the overall water supply. Responsible for the compilation of the environmental impact assessment (EIA) report, management of specialists and the public participation process.



## Franci Gresse Senior Environmental Impact Assessment Practitioner

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### **Proposed erection of Eskom communication sirens and public announcement (PA) systems, Blaauwberg, Western Cape Province, South Africa, Eskom, 2009 - 2010, Environmental Practitioner**

The project entailed three environmental impact assessment (EIA) processes for the (a) erection of 10 new sirens in the Parklands area, (b) the relocation of one siren in Bloubergstrand, and (c) the upgrade of five sirens on farms near Melkbosstrand. Responsible for compiling environmental impact assessment (EIA) reports, and the public participation process.

### **Overberg District Municipality integrated transport plan (ITP) strategic environmental informants, Western Cape Province, South Africa, Overberg District Municipality, 2009, Environmental Practitioner**

Aurecon's Transportation Unit was appointed to revise the integrated transport plan (ITP). The Environmental Unit was subcontracted to provide environmental input. Responsible for identifying and describing the relevant informants.

### **Annandale Commercial: development of petrol filling station on portion of Erf 5561, Kuils River, Western Cape Province, South Africa, Communicate, 2009, Environmental Practitioner**

Appointed to compile a construction environmental management plan (CEMP) for the construction of a filling station on the corner of Gladioli Street and Amandel Drive, Kuils River. Responsible for the compilation of the project specification document as part of the CEMP.

### **Environmental impact assessment (EIA) for the proposed Langezandt Quays development in Struisbaai Harbour, Western Cape Province, South Africa, Golden Falls (Pty) Ltd, 2008 - Date, Environmental Practitioner**

Aurecon was appointed to undertake an environmental impact assessment (EIA) process for the proposed development of a four storey development on Erf 848 within the Struisbaai harbour precinct. Responsible for drafting responses to the Department of Environmental Affairs' independent review report on the proposed development.

### **Pre-feasibility and feasibility studies for augmenting the Western Cape water supply system, South Africa, Department of Water Affairs (DWA), 2008 - 2013, Project Staff**

The Department of Water Affairs commissioned pre-feasibility and feasibility studies for the augmentation of the Western Cape water supply system through the further development of the surface water resources. Surface water schemes to be investigated were identified by the Western Cape water supply system reconciliation strategy study. Responsible for the public participation process, managing environmental specialists, and compiling a socio-economic overview of the study area.

### **Proposed redevelopment of the Blaauwberg Conservation Area: Eerstestein Node, Western Cape Province, South Africa, City of Cape Town, 2008 - 2010, Environmental Practitioner**

The project entailed an environmental impact assessment (EIA) process for redeveloping the Eerstestein Conservation Area on the West Coast. Responsible for compiling the EIA report, as well as managing specialists and the public participation process.



## Franci Gresse Senior Environmental Impact Assessment Practitioner

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### **Table Mountain Group aquifer feasibility study and pilot project, Western Cape Province, South Africa, City of Cape Town, 2008 - 2010, Environmental Control Officer**

The City of Cape Town initiated a study into the Table Mountain Group Aquifer as a potential water source to augment the city's supply. The feasibility and pilot project phase record of decision (RoD) required completion for site-specific environmental management plans (EMP's) for drilling sites that were assessed to be environmentally sensitive. Site-specific EMP's were designed for sensitive sites to ensure minimal environmental impact during the drilling phase. Responsible for monitoring compliance with the RoD and EMP during the drilling phase.

### **Water reconciliation strategy for the Algoa water supply area, Eastern Cape Province, South Africa, 2008 - 2009, Environmental Practitioner**

This project provided an assessment of the environmental opportunities and constraints for a suite of water schemes in the Algoa water supply area. This was undertaken as part of a broader study in the area.

### **Application for rectification in terms of Section 24G of the National Environmental Management Act (NEMA) for the unlawful commencement of a fruit processing factory on Op de Tradouw Farm, Number 69, Barrydale, Western Cape Province, South Africa, Schoonies Family Trust, 2008 - 2009, Environmental Practitioner**

The project consisted of an application for rectification in terms of Section 24G of NEMA. Responsible for compiling an environmental impact report and an environmental management plan (EMP) for the application, as well as managing the public participation process.

### **Proposed development of apple and pear orchards on Soetmelksvlei Farm, Western Cape Province, South Africa, BETCO, 2008 - 2009, Project Staff**

This Agri-development project involved the development of 50 ha of apple and pear orchards in the Riviersonderend region. Responsible for compiling the basic assessment report, environmental management plan (EMP), and managing the specialists and public participation process.

### **C.A.P.E. Olifants-Doring Catchment Management Agency project: Development of a catchment management strategy water resource protection sub-strategy for the Olifants-Doring Catchment, South Africa, CapeNature, 2008 - 2009, Environmental Practitioner**

Appointed by CapeNature to compile a catchment management strategy water resource protection sub-strategy for the Olifants-Doorn catchment. Responsible for compiling a database that lists all institutions and their respective mandates in terms of water resource protection and biodiversity conservation decision making for the Olifants-Doring Catchment, workshop arrangements, and general project related work.

### **Environmental sensitivity study for the proposed Dasdrif poultry farm in Moorreesburg, Western Cape Province, South Africa, Eikenhoff Poultry Farms (Pty) Ltd, 2008, Project Staff**

The project consisted of an environmental sensitivity study (ESS) which, inter alia, highlighted the potential constraints ('red flags') and opportunities presented by the site from an environmental perspective. Responsible for compiling the ESS.

## **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
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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: Gauteng Province**

Specialist:	LER Grobler (Imperata Consulting CC)		
Contact person:	Retief Grobler		
Postal address:	PO Box 72847, Lynwood Ridge		
Postal code:	0040	Cell:	082 606 7770
Telephone:	012 365 2546	Fax:	012 365 3217
E-mail:	retief@imperata.co.za		
Professional affiliation(s) (if any)	SACNASP Pr.Sc.Nat. Botanical Science and Ecological Science Registration no.: 400097/09		

Project Consultant:	Aurecon South Africa Pty (Ltd)		
Contact person:	Franci Gresse		
Postal address:	PO Box 494		
Postal code:	8000	Cell:	-
Telephone:	021 526 6022	Fax:	021 526 9500
E-mail:	Franci.Gresse@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 CC

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Name of company (if applicable):

9 November 2017

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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:

**Position:** Wetland Ecologist **Duration:** 10 years

**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.

**Position: Wetland Ecologist**

**Duration: 1 years**

**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 constrains 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

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## **Appendix E3**

### **WETLAND FORUM MEETING MINUTES**

## Gauteng Wetland Forum Minutes

26 August 2016

### Endangered Wildlife Trust (EWT), Modderfontein

No	Item	Action
1.	<b>Welcome</b> <ul style="list-style-type: none"> <li>The chairperson welcomed everyone to the meeting and thanked Emily and EWT for hosting the meeting and for providing the venue.</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.</li> <li><b>See attached Document/list.</b></li> </ul>	All
3.	<b>Apologies</b> See attached list	All
4.	<b>Minutes of the Previous Meeting</b> <ul style="list-style-type: none"> <li>The minutes of the previous meeting were read and adopted with some minor corrections.</li> <li>GWF noted that 10.2.1 of the previous minutes of the 27<sup>th</sup> May 2016 should have been written as follows: “ the Jukskei River at Bruma Lake is at a bad state because of the in-flow, however the remedial work is continuing to improve the conditions.”</li> </ul>	All
5.	<b>Matters Arising from the Previous Minutes</b> <ul style="list-style-type: none"> <li>none</li> </ul>	All
6.	<b>Additions to the Agenda</b> <ul style="list-style-type: none"> <li>There were no additions to the agenda.</li> </ul>	All
7.	<b>Items for Presentation</b> <p><b>7.1. Election of new Executive Committee 2016 - 2017</b></p> <ul style="list-style-type: none"> <li>The elections were not conducted and the following people were elected as the new Executive Committee members for 2016-2017</li> <li>Chairperson – Mr Bismark Mashau (GDARD)</li> <li>Vice-Chairperson: Ms Happy Baloyi (GDARD)</li> <li>Secretary – Ms Keitumetse Mekgoe (DAE)</li> <li>Vice-Secretary – Mr Pule Makena (City of Joburg)</li> <li>Treasurer – Ms Judith Taylor</li> <li>GWF Administrator – Mr Marc De Fontaine (Rand Water) will continue to assist with the administration duties of the GWF and I Jukes will assist him.</li> </ul> <p><b>7.2. Presentations by Ryan Fisher</b></p> <ul style="list-style-type: none"> <li>Ryan Fisher, of with ICLEI presented about the wetlands project he is currently doing in West Rand District and Ekurhuleni Municipality. <b>His presentation is attached</b> to these minutes. Further enquiries relating to his presentation can be forwarded to his email.</li> </ul> <p>7.3. Second Presentations by Martin Tinnefeld.</p>	All

	<ul style="list-style-type: none"> <li>• Martin Tinnefeld also presented about Hydrogeology and implications for wetlands. His presentation is attached to these minutes.</li> </ul> <p>7.4. Charl van der Merwe gave a short presentation about The Grootvallei Blesbokspruit Trust Education Centre. Hi indicated that the Trust is currently running out of sponsors and there is a dire need for environmental education in this region. That they continue to take approximately 400 pupils through the curriculum per month. They are paying the staff's salaries, the security and the maintenance of the buildings and infrastructure although it is Council property. The Metro however, also arrange for schools to attend and pay the transport which is more or less their whole contribution to the Trust. What they need is high level involvement from the Metro and other stakeholders. They will appreciate any kind of assistance. Bismark indicated that the Education Centre is very much part of the future of the Blesbokspruit Ramsar Site and that he will invite Charl to future BBS and Ramsar Site meetings.</p>	
<b>8.</b>	<p><b>Financial Report</b></p> <ul style="list-style-type: none"> <li>• Judith gave a short financial report of the GWF and indicated that the GWF balance is at R 161 009.16. The GWF reiterated that the funds should be used to support for training on issues relating to wetlands conservation and management.</li> </ul>	J. Taylor
<b>9.</b>	<p><b>Working Groups Report Back</b></p> <p><b>9.1 Education and training</b> <i>Back to Basic Wetlands course</i></p> <ul style="list-style-type: none"> <li>• Bismark reported that there is no wetland training workshop planned in the next two months.</li> <li>• Dr Piet-Louis Grundling was not present to give feedback on his UOFS advanced wetland course.</li> </ul> <p><b>9.2 Marketing and Awareness</b> P Fairall reported that he had conducted interviews with the Citizens newspaper where he gave briefed them about Pan African Parliament and other wetlands in crisis. 702 about the issues that affect the wetlands conservation, management and their threat. The Forum thanked Paul for the amount of effort that he is putting to publicise the Wetlands, Wetland Society and GWF.</p> <p><b>9.3 Wetland Database</b></p> <ul style="list-style-type: none"> <li>• M Tinnefeld reported that he will assist in running this sub-committee.</li> </ul> <p><b>9.4 Wetlands in Crisis</b></p> <ul style="list-style-type: none"> <li>• P Fairall reported wetlands in crisis unresolved issues such as the SANRAL head office, Bike Park, Mush Room Farm, and Queenspark Wetlands.</li> <li>• GWF requested that there has not been any replace since</li> </ul>	<p>B Mashau</p> <p>P Fairall</p> <p>T Nkadimeng/M Tinnefeld</p> <p>P Fairall</p>

10	Benedict left GDARD for City of Joburg with regard to Enforcement and compliance issues.	
10.1	<ul style="list-style-type: none"> <li>There was no feedback given on the Eagle Creek, Queen's wetland, Bruma Lake, West Lake, Modderfontein, New K56 Road in Bryanston, Dlamini Ext 5 in Soweto, Pan African Parliament, M1 Skydeck and Toyota Bike Park.</li> </ul>	
10.1.1	<p><b>Stakeholder Feedback</b></p>	
10.1.2	<p><b>Catchment forums</b></p>	B Mashau & M de Fontaine
	<p><b>Blesbokspruit</b></p> <ul style="list-style-type: none"> <li>The BBS Forum was held on the 4<sup>th</sup> August 2016 at ERWAT. The next meeting has been provisional scheduled for the 3<sup>rd</sup> November 2016 at ERWAT.</li> </ul>	B Mashau & M de Fontaine
	<p><b>Rietspruit</b></p> <ul style="list-style-type: none"> <li>The Rietspruit Forum was held on the 10<sup>th</sup> August 2016 at Metsi-a-Lekoa, Vanderbijlpark. The next meeting has been provisional scheduled for the 8<sup>th</sup> November 2016 at the same venue.</li> </ul>	B Mashau & M de Fontaine
10.1.3		
	<p><b>Klipriver</b></p>	B Mashau & M de Fontaine
10.1.4.	<ul style="list-style-type: none"> <li>The Klipriver Forum was held on the 2<sup>nd</sup> August 2016 at Sedibeng Brewery. The next meeting has been provisional scheduled for the 1<sup>st</sup> November 2016. Venue will be at Sedibeng Brewery.</li> </ul>	B Mashau & M de Fontaine
	<p><b>Jukskei Forum</b></p> <ul style="list-style-type: none"> <li>P Fairall reported that he has resuscitated the Jukskei Forum and he will invite GDARD, JRA and CoJ to attend this forum.</li> <li>I Juckes reported that he has stopped conducting River monitoring and clean-up at the upper part Jukskei and Modderfontein River as he was hijacked and his car was stolen. He further reported that people are throwing various type of pollutants in the stream despite their efforts to educate them.</li> </ul>	P Fairall /J Juckes
10.2	<ul style="list-style-type: none"> <li>The GWF also note with concern that Hennops river is now the most polluted River in Gauteng Province.</li> </ul>	
10.2.1		
10.2.2	<p><b>Local Authorities</b></p>	P Makena
	<p><b>Johannesburg</b></p> <ul style="list-style-type: none"> <li>P Makena reported that the rehabilitation of Bruma Lake precinct is continuing as planned and it is near completion.</li> </ul>	T Nkadimeng
10.2.3	<p><b>GDARD</b></p> <ul style="list-style-type: none"> <li>T Nkadimeng reported that GDARD is still reviewing EIAs that have wetlands issues. They are also attending to wetlands enquiries through site inspection. The River Health monitoring</li> </ul>	J Taylor

	programme for Crocodile-West Marico, Upper Olifants and Upper Vaal is continuing.	
<b>10.2.4</b>	<p>Jukskei Forum</p> <ul style="list-style-type: none"> <li>• P Fairall reported that I Jukes has stopped conducting water quality &amp; Bio-monitoring of the upper part of Jukskei and Modderfontein because he was hijacked and his car was stolen. He further reported that Alexandria part of Jukskei River, people are throwing various kinds of pollutants into the stream. This is in addition to sewer which is constantly flowing into the stream.</li> <li>• The GWF also noted with concerns that the Hennops is now regarded as the most polluted river in Gauteng Province.</li> </ul>	P Fairall/ I Jukes
<b>10.2.5</b>	<p><b>Gauteng Water Caucus</b></p> <ul style="list-style-type: none"> <li>• Judith reported that the Water Caucus held meeting with DWS to discuss water related problems such as the impact of AMD, infrastructural problems and sewer.</li> </ul>	J Taylor
<b>10.2.6</b>	<p><b>Klipriver Sustainability Association (KlipSA)</b></p> <p>A Barker was not in the meeting, and he did not send his report. Bismark reminded the GWF that Andrew has indicated that the GWF meeting clash with the Business Forum meeting which happens every last Friday of the month, and that where possible he will ensure that a KLipSA representative will attend future meeting Bismark and marc will continue to engage Andrew so that he keeps us informed about the KlipSA activities.</p>	A Barker
<b>10.2.7</b>	<p><b>SA Wetland Society</b></p> <ul style="list-style-type: none"> <li>• There was no report given.</li> </ul>	M de Fontaine
<b>11.</b>	<p><b>Discussion of Additions to the Agenda and General NWI 2016:</b></p> <ul style="list-style-type: none"> <li>• The NWI 2015 conference will be hosted in Mpumalanga Wetlands Forum. Further details can be obtained from the following link: <a href="http://indaba2016.wetlands.za.net">http://indaba2016.wetlands.za.net</a>.</li> </ul>	All
<b>12.</b>	<p><b>Next Meeting</b></p> <ul style="list-style-type: none"> <li>• Friday 26<sup>th</sup> November 2016: from 10h00-13h00. B Mashau &amp; P Fairall to organise a site visit for the next GWF meeting.</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