

## **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:	(For official use only)
NEAS Reference Number:	DEA/EIA/
Date Received:	

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

#### 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
EAP name:	Wynand Loftus <i>Pr.Sci.Nat</i>		
EAP Qualifications:	M.Tech, B.Tech & Nat.Dip Nature conservation		
Professional affiliation/registration:	Registered as a Professional Scientist in the field of Environmental Science with the South African Council for Natural Scientific Professions (SACNASP) Member of the International Association for Impact Assessment.		
Physical address:	Suite 201, 2nd Floor, Bloemhof Building, 65 York Street, George 6529		
Postal address:	PO Box 509, George		
Postal code:	6530	Cell:	072 354 2607
Telephone:	044 805 5458	Fax:	044 805 5454
E-mail:	Wynand.Loftus@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, Wynand Loftus, 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:

22 January 2019

Date

**3. UNDERTAKING UNDER OATH/ AFFIRMATION**

I, Wynand Loftus, 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

22 January 2019

Date



(J. THEART)

Signature of the Commissioner of Oaths

2019/01/22

Date

.....  
**JOUBERT THEART**  
COMMISSIONER OF OATHS  
PROJECT MANAGER  
AURECON SOUTH AFRICA (PTY) LTD  
SUITE 201, SECOND FLOOR, BLOEMHOF BUILDING  
65 YORK STREET, GEORGE 6530  
REF.: 9/1/8/2 GEORGE

Choose a building block.

Wynand Loftus *Pf. Sci. Nat*

### Environmental Scientist

Wynand is an environmental scientist with over three years of experience in environmental management and impact assessments. He has been involved on projects across South Africa where his responsibilities have included the compilation of environmental reports (impact assessments and management plans) and the compilation of environmental maps in Arcview (GIS).

Wynand holds an MTech degree in Nature Conservation from the Nelson Mandela Metropolitan University (NMMU), South Africa. He is registered as a professional scientist with the South African Council for Natural Scientific Professions (SACNASP) in the field of environmental science. He is also a member of the International Association of Impact Assessment South Africa (IAIAsa).



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

The Western Cape Government required assistance with the material supply and planning, design and control aspects for the maintenance of gravel roads in the Central Karoo and Eden District municipalities. Aurecon was tasked to find solutions for issues such as the depletion of material sources, rising costs of maintenance treatments, limited good quality materials, lack of legal borrow pits, as well as extreme weather events that lead to widespread damage to the roads had to be addressed. Additional project scope involved environmental studies, engineering geology works and project management. Responsible for assisting the project leader with public participation process.

#### Environmental impact assessment (EIA) for proposed extension of ashing facilities at Kriel Power Station, Mpumalanga Province, South Africa, Eskom, 08/2016 - 11/2017, Environmental Scientist

Aurecon was 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 comparing 2014 National Environmental Management Act (NEMA) EIA Regulations with the amended 2017 NEMA EIA Regulations and listing similarly listed activities.

#### Hotazel Solar Park, Northern Cape Province, South Africa, juwi Renewable Energies (Pty) Ltd, 05/2016 - 07/2017, Environmental Scientist

The project comprised the development of a solar

#### Qualification

Master of Technology (MTech) Nature Conservation

Aquaculture Certificate

Bachelor of Technology (BTech) Nature Conservation

#### Specialisation

Environmental management and impact assessments

#### Professional membership

Professional Scientist, South African Council for Natural Scientific Professions (SACNSP)

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

5

YEARS IN THE INDUSTRY

photovoltaic (PV) and transmission line. Responsible for assisting the project leader with public participation process.

**Ladismith West flood damage repair, Western Cape Province, South Africa, 01/2016 - 03/2017, Environmental Control Officer (ECO)**

Responsible as Environmental Control Officer (ECO) for the repair and construction of new stream crossing structures in Ladismith.

**Saffraan Rivier maintenance management plan, Oudtshoorn, Western Cape Province, South Africa, 2015 - 03/2017, Environmental Control Officer (ECO)**

Responsible for compilation of a road rehabilitation plan and maintenance management plan (MMP) for farm and acting as Environmental Control Officer (ECO) on river rehabilitation and alien clearing activities.

**Midbrak sewer upgrades and pump station (Great Brak River), Western Cape Province, South Africa, 2016 - 03/2017, Environmental Control Officer (ECO)**

Responsible as Environmental Control Officer (ECO) for compilation of ECO reports, post-construction audit report and post-rehabilitation audit reports.

**Uitvlug Section 24G application, Oudtshoorn, Western Cape Province, South Africa, 2014 - 2016, Environmental Control Officer (ECO)**

Responsible for carrying out a full section Section 24G process for the illegal construction of a road and vegetation clearance in Oudtshoorn.

**Beaufort West 22 kV power lines, Western Cape Province, South Africa, 2015 - 2016, Environmental Control Officer (ECO)**

Responsible as Environmental Control Officer for the construction of 22 kV power lines at six sites located within the Beaufort West Municipality.

**Bitou Public Safety Centre basic assessment Process, Western Cape Province, South Africa, 2015 - 2016, Environmental Control Officer (ECO)**

Responsible for carrying out full basic assessment process for the Bitou Public Safety Centre in Plettenberg Bay. This included the compilation of reports (basic assessment report (BAR) and environmental management plan (EMP), conducting a full public participation process and all project management related duties.

**Brandwacht Mediclinic amendment application, Stellenbosch, Western Cape Province, South Africa, 2015 - 2016, Environmental Control Officer (ECO)**

Responsible for coordinating Part 2 amendment application process which included compilation of impact statement report and public participation. The original decision was appealed and therefore an amendment application was submitted via the Western Cape Minister of Environmental Affairs' Office.

**Henque waste management licence, Western Cape Province, South Africa, 2015, Environmental Control Officer (ECO)**

Responsible for carrying out a full waste management licence (WML) application for a waste management and sorting facility.

Responsible for carrying out a full basic assessment process for a municipal housing development.

*Aurecon have delivered a range of projects with expertise in mining, industrial developments and renewable energies amongst others. Aurecon Enviro also specialises in working in Africa according to IFC standards.*

## **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: North West 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

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Name of company (if applicable):

17 January 2019

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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

**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		%
		From	To	Complete
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 Persequor 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		%
		From	To	Complete
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
Umhlaba 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**