

## Curriculum Vitae

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Johan Enslin

Proposed Position in team: Integrated Water Use License Application Management

Nationality: South African

Fields of specialization: Integrated Water Use License Applications management: Process coordination; administration and process solutions; stakeholder facilitation and consultation.

Year of birth: 1975

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### **KEY QUALIFICATIONS:** Integrated Water Use License Applications (IWULA)

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February 2015 - present: **Owner/Director of IWULA Integrated Water Use Application Management (Pty) Ltd (IWULA (Pty) Ltd):**

Because of IWULAs/WULAs slow turnaround time, dynamic and complex nature, compounded by management challenges from the inception stages of a project, IWULAs have become a tedious exercise and an administrative burden within the environmental authorisation processes. More specialisation is required in the field of IWULA/WULA management. IWULA (Pty) Ltd aim to eliminate “grey” areas and make the process more efficient without compromising quality, saving time and money. It is further aimed at continuously finding solutions in the pursuit to effect the issuance of water use licenses and general authorisations within acceptable time frames.

IWULA (Pty) Ltd offers a service in managing and administering an IWULA/WULA process together with the Department of Water & Sanitation (DWS). Services includes pre-application consultations and site meetings, determining specialist studies required by the DWS, information gathering and IWULA/WULA compilation, submission to DWS and post submission status follow ups until a decision on authorisation has been made by the DWS.

Further, IWULA (Pty) Ltd assists Environmental Assessment Practitioners (EAPs) with the preparation and compilation of IWULAs/WULAs for DWS submission.

Market Sectors IWULA (Pty) Ltd covers are: An individual or community; Mining; Commercial and Subsistence Agriculture; Commercial, Residential, Industrial and Mixed Use developments; Provincial and National Departments; Water Services Providers and Water User Associations; Environmental Impact Assessment Professionals; Landscape Architects; Environmental Compliance Professionals; Engineering Professionals; Town Planning Professionals; Environmental Law firms.

## 1. IWULAs/WULAs AND OTHER DOCUMENTATION AND APPLICATIONS SUBMITTED TO THE DEPARTMENT OF WATER & SANITATION:

### 1.1 Mixed Use and/or General Developments

- WULA for a proposed Newcastle Sasol Filling Station development situated on Portion 2 of Erf 15449, Newcastle, on behalf of Able Eagle Investments (Pty) Ltd, **April 2014**;
- Water Use License amendment to include a new production borehole with waste discharge data, situated on Portion 4 of the Farm Lagerspoort 406-IR, known as Waveside Water Bottling Plant on behalf of Waveside (Pty) Ltd, **June 2014**;
- Water Use License amendment for the proposed R21/K220 interchange with a culvert extension situated on Portion 19 (a portion of portion 2) of the Farm Sterkfontein 401-JR on behalf of the South African National Roads Agency (SANRAL) and M&T development (Pty) Ltd, **June 2014**;
- WULA amendment for a mixed use development situated on Erven 3082 to 3088 of the Township, Highveld Extension 73, known as Bylsbridge on behalf of M&T Development (Pty) Ltd, **August 2014**;
- Water Use License amendment to include a new borehole situated on Erf 6 of the Township, Elim-Mpheni CBD, known as Elim Mall on behalf of Twin City Development (Pty) Ltd, **October 2014**;
- WULA amendment for the modification of an existing Category II flood attenuation dam structure situated on Erf 2 of the Township, Highveld Extension 114, known as Eco Park Attenuation Dam on behalf of M&T Development (Pty) Ltd, **October 2014**;
- An application for a directive from the Department of Water and Sanitation (DWS) in terms of Section 19 & 20 (and possibly Section 67) of the NWA (Act 36 of 1998) for urgent remedial works required to stabilize the estate's security fence and river bank within the Muldersdrif se Loop on behalf of African Environmental Development (AED) and Featherbrooke Estate, **August 2016**;
- WULA for the proposed new NTT Motors 384 (Pty) Ltd Showroom in Newcastle impacting on a Wetland, **December 2017**;
- WUA Application for the proposed Musina Extension 33 Township mixed use development with associated Section 21 Water Uses on Portion 128 (a Portion of Portion 3) Of The Farm Uitenpas No.2-MT, Messina Local Municipality, Limpopo on behalf of Pierre Joubert: Professional Landscape Architect & Environmental Consultant, **24 November 2020**.

### 1.2 Mining

- Integrated Water and Waste Management Plan (IWWMP) based on specialist reports for the Yzermyn Underground Coal Mine, within the Pixley ka Seme Local Municipality, Mpumalanga Province on behalf of Kara Nawa Environmental Solutions, EcoPartners and Atha-Africa Ventures (Pty) Ltd, **August 2015**;
- IWULA amendment for the Vlakfontein Coal Mine phase 1, within the Emahlaleni Local Municipality, Mpumalanga Province on behalf of Tshikovha Environment & Communication Consulting and African Exploration Mining and Finance Corporation SOC Ltd (AEMFC), **March 2016**;
- Four Water Use Licenses' Consolidation and Amendments for Khutala Colliery on behalf of Baagi Environmental Consultancy and South32 Coal Holdings SA (Pty) Ltd, **June 2018**;
- Integrated Water Use License Application for the coal mining activities of Umlabu Colliery (Pty) Ltd on the farm Mooifontein 109, Voorslag 274 IS, Sterkfontein 242 IS and Vlakfontein 108 IS, near Ermelo in the Mpumalanga Province, **October 2018**;

### 1.3 Agriculture

- IWULA for a proposed cattle feedlot and crop irrigation situated on Portion 47 of the Farm Brandbach 471-JR, known as Mleki's Beef Feedlot on behalf of Mleki's Beef CC, **June 2014**;
- Section 35 Verification Application for water volumes relating to Existing Lawful Water Use for Existing Stream Flow Reduction Activities on the Farm Krokodilspruit 248 JT Remaining Extent & Portion 1 on behalf of Danroc (Pty) Ltd, **14 January 2020**.

### 1.4 Other

- WULA GAP analysis for Houghton Golf Club, **May 2017**;
- Development of a specialised NWA Section 21 Water Uses Map for Khutala Colliery on behalf of Baagi Environmental Consultancy and South32 Coal Holdings SA (Pty) Ltd, **December 2018**;
- Water Uses Clarification Process & Report for the Sabie River Sun Resort situated on the Farm Perry's Farm 9-JU Portions 26, 27, 31 & 84 within Quaternary Catchment X31D – Mpumalanga, Hazyview on behalf of Tsogo Sun, **6 December 2019**.

### 1.5 Also worked on:

- WULA for a mixed use development situated on remainders of Erven 8318 and 8296 of the Township, Secunda Extension 25 on behalf of Purple Plum 101 (Pty) Ltd;
- IWULA for a mixed use development situated on Erven 1 and 2 of the Township, Groblersdal Extension 35 on behalf of Twin City (Pty) Ltd;
- IWULA for the abstraction of water from a river, the storing of water and crop irrigation situated on Portions of the Farm Bulhoek 389-JP on behalf of Tomnic Boerdery cc.;
- General Authorisation application for abstraction of water for dust suppression related to quarrying adjacent to the Bon Accord dam in Quaternary Catchment A23E on behalf of EcoPartners and Tshwane Aggregates (Pty) Ltd.
- WULA for the proposed new permanent access road water course crossings for the Transnet New Multi-Products Pipeline on numerous properties, located in primary drainage regions C, U and V, within the Vaal and Pongola -Mtamvuna Water Management Areas on behalf of Imperata Consulting and Transnet SOC Limited;
- WULA for Transnet Pump Stations PS3 & PS5 on behalf of Imperata Consulting and Transnet SOC Limited;
- Project Management and application for a directive and WULA for remedial works required to stabilize the estate's security fence and river bank within the Muldersdrif se Loop on behalf of Featherbrooke Estate;
- WULA for the upgrading of 20 Public Integrated Waste Management Facilities (PIWMF) falling within the Ekurhuleni Metropolitan Municipality (EMM), on behalf of Shadi Mathobela (Lizzy Step);
- WULA for a proposed Magalies Water 16.5 km pipeline from La Patrie to Moruleng reservoirs, within the Moses Kotane Local Municipality, North West Province on behalf of Tshikovha Environment & Communication Consulting and Magalies Water;
- WULA for the proposed Uitspan Colliery, Emalahleni, Nkangala District Municipality, Mpumalanga Province, on behalf of SHEFA Group of Companies;

- Water Use License Audit for Randpark Golf Club on the remaining extent of the Farm Randpark 268 IQ;
  - Integrated Water and Waste Management Plan (IWWMP) based on specialist reports for the Colenso Power Station and Coal Mine, within the Emnambithi/Ladysmith and Umtshezi local municipalities. KwaZulu Natal Province on behalf of Kara Nawa Environmental Solutions, EcoPartners and Colenso Power (Pty) Ltd;
  - IWULA for for the processing of gold on behalf of Tshikovha Green and Climate Change Advocates and HVH Gold (Pty) Ltd, Gauteng East Rand, Nigel;
  - WULA for the existing water use activities at two lodges: the Ngala Safari Lodge and the Ngala Tented Camp located within the Olifants Water Management Area and Catchment Management Agency's jurisdiction, on behalf of And Beyond South Africa (Pty)Ltd and the WWF-SA;
  - WULA for the proposed Reebok Park Development and associated Section 21 Water Uses in terms of the National Water Act (Act 36 Of 1998) on the Farm Lisbon 297 KU Remaining Extent, near Kruger Gate (Kruger National Park) along the bank of the Sabie River in Quaternary Catchment X31M and within the Inkomati-Usuthu Water Management Area.
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## 2. WULs/GAs ISSUED BY THE DEPARTMENT OF WATER & SANITATION:

### 2.1 Agriculture

- WULA for the proposed construction of the Schoonspruit Dam located within an unnamed tributary to the Ngweti River that feed the Komati River west of the town of Komatipoort along the N4, Mpumalanga Province on behalf of Rhengu Environmental Services, **24 November 2020**;
- WULA submission amended: Update the DW application forms for the NWA Section 21a (DW760), Irrigation and livestock watering on the Farm Morgenzon 9-IQ Portion 16 and included an Assessment of Groundwater Supply for Irrigation as well as the updated Section 27 Motivation on behalf of Ga-Malete Agriculture (Pty) Ltd, **29 January 2020**.

### 2.2 Mixed Use and/or General Developments

- WUA Application for the proposed Soweto Zola Emdeni Public Transport Facility on the Remainder of the Farm Soweto No 387-IQ, Emdeni on behalf of Pierre Joubert: Professional Landscape Architect & Environmental Consultant, **21 October 2020**;
- Review and correct completion of the DW763 & DW768 forms as well as the DW781 & DW775 Supplementary Forms (Edition: 14 August 2009) for Section 21(c) Impeding or Diverting the flow of water In a watercourse and Section 21(i) Altering the bed, banks, course or characteristics of a watercourse – relating to a development on Glen Acres Extension 27 Township to be situated on Holding 32 Glen Austin Agricultural Holdings JR (Midrand, City Of Johannesburg - Gauteng) on behalf of Pierre Joubert: Professional Landscape Architect & Environmental Consultant, **27 October 2019**.
- WULA for the P166 link cross-over water course crossing within the Inkomati-Usuthu Water Management Area and Catchment Management Agency's jurisdiction, on behalf of Henwood Environmental Solutions and H L Hall & Sons Properties (Pty) Ltd., **1 August 2019**;

## 2.3 Mining

- IWULA for a Landfill site with an existing Waste Management License and a proposed Sand Mine within 500m of a wetland and a Separation Plant Located on Portion 41 and Portion of Portion 179 of the Farm Olifantsfontein 410 JR, Olifantsfontein Midrand, Ekurhuleni Metropolitan Municipality on behalf of Summer Symphony Properties 264 (Pty) Ltd, **14 October 2020**;
- IWULA for the proposed Assen Iron Ore Mine, within the Madibeng Local Municipality, North West province on behalf of Tshikovha Environment & Communication Consulting and Manngwe Mining (Pty) Ltd, - **Client reserved the right to keep the WUL information confidential.**
- WULA for Titano-Magnetite Mineralisation, within the Magisterial/Administrative District of Thabazimbi, North West Province on behalf of Kara Nawa Environmental Solutions and Bakgatla Ba Kgafela Investments & Resources, **January 2021.**

## 2.4 Renewable Energy

- WULA for the Sabie Hydro Power Project on Portion 17 of the Farm Tevrede 178 JT some 15km west of Hazyview town next to the Sabie Road tar road on behalf of Rhengu Environmental Services, **14 August 2020**;

## 2.5 Protected Areas

- WULA for existing and proposed water uses at the South African Wildlife College (SAWC) falling within the Olifants Water Management Area and Catchment Management Agency's jurisdiction, **6 September 2019**;

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## 3. CURRENT IWULAs/WULAs

### 3.1 Mixed Use and/or General Developments

- WULA Water Uses Assessment for The Coves Residential Estate consisting of allotment areas Heron Cove and The Cove and falls within the Limpopo Water Management Area and the Established Limpopo Catchment Management Agency's Jurisdiction, on behalf of The Coves Residential Estate. Contact: Martin Heyneke – 082 940 8645;
- WUA Application for the Sabie River Sun Resort for a proposed weir in the Langspruit watercourse situated on the Farm Perry's Farm 9-JU Portions 26 within Quaternary Catchment X31D – Mpumalanga, Hazyview on behalf of Tsogo Sun. Contact: Malcolm Bone - 082 800 0037;
- WULA for Umhlanga Sands Resort consisting of one borehole within Quaternary Catchment U30B and the Pongola-Mtamvuna Water Management Area (WMA), on behalf of Tsogo Sun. Contact: Afzal Sultan – 031 561 2323;
- WUA Application for the Malelane Residential Estate within the Inkomati-Usuthu Water Management Area and the established Inkomati-Usuthu Catchment Management Agency's Jurisdiction, on behalf of Bluegrass Trading 1028 (Pty)Ltd. Contact: Derick Peacock – 082 414 3655;

- WULA for Cabana Beach Resort consisting of one borehole within Quaternary Catchment U30B and the Pongola-Mtamvuna Water Management Area (WMA), on behalf of Tsogo Sun. Contact: Barend Olivier – 083 324 9584.

### **3.2 Mining**

- IWULA and updating the IWWMP for the coal mining activities of Umlabu Colliery (Pty) Ltd on the farm Mooifontein 109, Voorslag 274 IS, Sterkfontein 242 IS and Vlakfontein 108 IS, near Ermelo in the Mpumalanga Province on behalf of Umlabu Colliery (Pty) Ltd. Contact: Marcel van Vuuren – 082 332 1101.

### **3.3 Waste Water Treatment Works**

- WULA for the proposed Waste Water Treatment Works in Presidentsrus, Middelburg for Aphane Consulting Engineers. Contact: Shadi Mathobela – 073 433 7453;

### **3.4 Renewable Energy**

- WULA for the proposed development of a 2x20mw Solar Photovoltaic power facility within 500m of delineated wetlands to supply power to the Gold Field South Deep Gold Mine near Westonaria, Gauteng Province on behalf of Ecotone Freshwater Consultants and Enel Green Power. Contact: Michiel Jonker – 084 585 7479

### **3.5 Protected Areas**

- WULA for the Tswalu Kalahari Reserve Within the Vaal Water Management Area and the established Vaal River Catchment Management Agency's Jurisdiction, on behalf of Tswalu Kalahari Reserve. Contact: Gus van Dyk – 078 636 7889;
- WULA for the water use activities at the Imbali Safari Lodges in the Mluwati Private Concession within the Kruger National Park (SANParks) situated within the Inkomati-Usuthu Water Management Area and Catchment Management Agency's jurisdiction, on behalf of Imbali safari Lodges. Contact: Johan van Eden – 083 437 6471;

### **3.6 Agriculture:**

- WULA for irrigation and livestock watering on the Farm Morgenzon 9-IQ Portion 16 on behalf of Ga-Malete Agriculture (Pty) Ltd. Contact: Llu Madisakwane – 079 654 7075;
- WULA for the proposed irrigation dam (including managing a WULA Public Participation Process) in the Lows Creek River near Revolver Creek and the Farm Tonetti, located in Quaternary Catchment X23H, Mpumalanga Province on behalf of Rhengu Environmental Services. Contact: Ralf Kalwa – 082 414 7088;
- WULA for converting water volumes relating to Existing Lawful Water Use for Existing Stream Flow Reduction Activities to a Section 21 (a) water use for the purpose of irrigation (including managing a WULA Public Participation Process), on the Farm Krokodilspruit 248 JT Remaining Extent & Portion 1 on behalf of Danroc (Pty) Ltd. Contact: Pierre Cronje - 082 554 6641;

- Section 35 Verification Application for water volumes relating to Existing Lawful Water Use for Existing Stream Flow Reduction Activities on the Farm Rooywal 239 JT Portion 3, on behalf of York Timbers (Pty) Ltd. Contact: John Crawford Brunt – 072 618 8126;
- WULA in terms of Section 21 Water Uses of the National Water Act (Act 36 of 1998) for the MSD Animal Health Malelane Research Unit on the Farm Richtershoek 453 JU Portion 27 in proximity of tributaries of the Lomati River within Quaternary Catchment X14H and within the Inkomati-Usuthu Water Management Area. Contact: Dr. Johann Kotze – 072 422 5053.
- WULA for converting water volumes relating to Existing Lawful Water Use for Existing Stream Flow Reduction Activities to a Section 21 (a) water use for the purpose of irrigation (including managing a WULA Public Participation Process), on the Farm Nosilla 27 JU Remaining Extent on behalf of Saint Cloud Farming Cc. Contact: Pieter du Preez – 084 451 1601.
- WULA for irrigation and livestock watering on the Farm Doornbosch TK 294 Remaining Extent - on behalf of Historically Disadvantaged Individuals from the Doornbosch Town Village Farm, Primary Co-Operative Limited. Contact: William Kgoete – 067 006 5404;

## **EDUCATION & TRAINING**

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- National Diploma: Nature Conservation, Tshwane University of Technology (1995-97);
- Certificate: Attended a three day training course entitled IWRM, the NWA and Water Use Authorisations focussing on WULAs and IWWMPs, presented by Carin Bosman Sustainable Solutions – 13-15 March 2018;
- Certificate: Attended the “One Environmental System Workshop” at IMBEWU’s offices in Johannesburg – 17 November 2015;
- National Water Act (Act 36 of 1998), Section 21 (c) & (i) Training at Roodeplaat Training Centre, presented by Dr. Wietsche Roets (Specialist Scientists, Department of Water & Sanitation) and Prof. Pieter le Roux (Soil, Crop and Climate Sciences, University of the Free State) - 18 September 2015;
- African Land Use Training, Land Rehabilitation course presented by Frits van Oudtshoorn - September 2011.

## **PREVIOUS EXPERIENCE**

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- February 2014- February 2015: Water Use Consultant, Thandamanzi Water Use Consultants;
- 1 July 2013 - 6 January 2014: Wildlife Manager/Coordinator, Shambala Game Reserve;
- 4 June 2012 - 30 June 2013: Wildlife Research/Wildlife Manager Assistant, Shambala Game Reserve;
- 01 April 2009 – 31 August 2010: Park Activities Coordinator, Marula Region, Kruger National Park;
- 8 July 2001 – 31 March 2009: Wilderness Trails Ranger, Kruger National Park;
- 15 November 1997 - 7 December 1999: Law Enforcement, Kapama Private Game Reserve.

## **REFERENCES**

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1. Shandu George Mamaila: Emmanuel Mohale Consulting Services – 073 419 3767
2. Sivan Dhaver: SD Hydrological Services - 083 304 7798
3. Retief Grobler (Wetland Specialist): Imperata Consulting CC– 082 606 7770
4. SJ Janse van Rensburg: IWULA (Pty) Ltd - 072 132 5544
5. Larry Ndlovu: Owner, Khangisaadserv (Pty) Ltd, Environmental Consultancy - 072 761 8017
6. Ralf Kalwa: Owner, Rhengu Environmental Services - 082 414 7088

7. Andrew Desmet: Section Ranger, Kruger National Park - 082 887 8789