

Curriculum Vitae of
Morné van Wyk



Nationality : South Africa
Profession : Scientist
Specialization : Geohydrologist
Date of birth : 09 December 1989
ID-Number : 891209 5025 084

QUALIFICATIONS:

- **UNIVERSITY OF THE FREE STATE**

2011: B.Sc. Geology

2013: B.Sc. Honores Geology

2018: M.Sc. Geohydrology

EXPERIENCE:

2013: Junior Geohydrologist at GCS Water and Environmental Consultants, Johannesburg

2014: Assisting with geohydrological projects and research.

- Assisting and/or leading various micro projects and research necessitating geology and geohydrology assessments (Pump tests and sampling, Water Management, Data collection/analysis)
- Using a Multiple Water Balance Approach to Estimate Recharge for Optimum Mine, Mpumalanga (Available on request)
- Specific Data Collection and Analysis using geological modelling software with regards to mapping and reserve calculations
- Leading various disciplines within the Geohydrology environment
- Writing of associated reports
- Geological and underground mapping
- Assignments within Structural geology scope

2018 – Present: Geohydrologist and Junior Environmental Practitioner at Turn 180 Environmental Consultants

- Writing and completing of Geological -, Geohydrological-, Storm water management plans and Monitoring Programs, as well as all the necessary field work associated with them.
- Creating of maps (Q-GIS) for both mining and environmental areas
- Writing of Basic Assessment Reports
- Completing Water Use Licences
- Writing of Environmental Impact Assessment reports

FIELD OF EXPERTISE:

- Water Engineering and Water Management
- Geophysics
- Water Sample Collection and chemical analysis
- Data Collection and Analysis
- Hydrocarbon analysis
- Hydro census
- Drilling supervision
- Pump tests and Water Sampling

PROJECTS:

Start and end date	Project	Applicant/Client
Sept 2018 – Nov 2018	Application for a Water Use Licence for Zoet and Zuur Diamond Mine	Zoet and Zuur Diamond Mine
Sept 2018 – Dec 2018	Environmental Compliance monitoring for the special maintenance of national route R56 sections 6 and 7 between Indwe and Maclear, Eastern Cape.	KBK Engineers
Oct 2018 – Nov 2018	Rehabilitation plan for the water use activities on the remainder of the farm Mozib 279 and then 280, Barkley West district of the Northern Cape	Mr. Sarel Potgieter
Oct 2018 – Dec 2018	Application for a water use licence and general authorisation for Tau-Pele Construction (Pty) Ltd on portion 0 on the farm Johns Rust 1361, Harrismith district, Free State.	Tau-Pele Construction (Pty) Ltd

Sept 2018 - Ongoing	<ul style="list-style-type: none"> • Monthly eco report, water abstraction volumes and quality data, dust fallout results and recommendations for Jagersfontein Developments (Pty) Ltd for the processing of tailings and associated activities at Jagersfontein. • Chemical and micro analysis report and recommendations for Jagersfontein Developments (Pty) Ltd for the processing of tailings and associated activities on the remainder and portion 16 of the farm Jagersfontein 14, Fauresmith district. • Integrated Water and Waste Management Plan for Jagersfontein Developments 2019 • <i>Surface and Groundwater Monitoring Programme:</i> Processing of surface tailings dumps for the extraction of diamonds on the remainder and portion 16 of the farm Jagersfontein 14, Fauresmith road, Free State. 	Jagersfontein Developments (Pty) Ltd
Jan 2019 - Ongoing	Application for Environmental Authorisation through Basic Assessment Reporting process for the proposed expansion and construction of a College on Plot 27, Rayton, Bloemfontein	Jenn Training College (Pty) Ltd
Nov 2018 - Ongoing	Chemical and micro analysis report and recommendations for Rooipoort Developments (Pty) Ltd for the processing of gravels and associated activities.	Rooipoort Development (Pty) Ltd