

## Helen Mushiane

### Environmental Scientist



<b>Profession</b>	Environmental Scientist
<b>Education</b>	Hons, Environmental Science, University of Venda, 2012 Environmental Science Degree, University of Venda, 2011
<b>Registrations/ Affiliations</b>	n/a

### Specialisation

Project assistant; project administration; environmental impact assessment (EIA) and environmental management programmes (EMP) according to the Mineral and Petroleum Resources Development Act, Act 28 of 2002 (MPRDA) and National Environmental Management Act, Act 107 of 1998 (NEMA); integrated water and waste management plans according to the National Water Act, Act 36 of 1998 (NWA); project administration – land ownership searches, specialists orientation and communication, minutes of meetings, water use licensing: applications.

### Expertise

Helen has been involved in the field of environmental science since 2013. Her expertise includes:

- general environmental management;
- environmental impact assessments;
- environmental management programmes;
- stakeholder consultation;
- water use licensing: applications;
- environmental auditing.

### Employment

**2013 - present** SRK Consulting (Pty) Ltd, Environmental Scientist, Water Department, Johannesburg

### Languages

English – read, write, speak  
Tshivenda – read, write, speak

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## Environmental Scientist

### Key Experience: Environmental projects

Location: Sasolburg, South Africa  
 Project duration & year: May 2017  
 Client: Sasolburg Operations  
 Name of Project: Sasolburg Operations Bioworks audit  
 Project Description: Undertaking an external audit for the Bioworks in Sasolburg Operations  
 Job Title and Duties: Environmental Scientist – Project coordinator  
 Value of Project: R 54 000

Location: Steelpoort, Limpopo Province  
 Project duration & year: October 2016  
 Client: Anglo American Platinum's Modikwa Platinum Mine  
 Name of Project: Modikwa Platinum Mine's Doornbosch Triangle  
 Project Description: Regulation 29 Application  
 Job Title and Duties: Environmental Scientist – Project coordinator  
 Value of Project: R 69 960

Location: Sasolburg, South Africa  
 Project duration & year: December 2016  
 Client: Sasolburg Operations  
 Name of Project: Sasolburg Operations waste storage facility compliance audit  
 Project Description: Undertaking an external audit for the waste storage facility in Sasolburg Operations  
 Job Title and Duties: Environmental Scientist – Project coordinator  
 Value of Project: R 54 000

Location: Fochville, South Africa  
 Project duration & year: December 2016  
 Client: Anglo Gold Ashanti  
 Name of Project: Mponeng Mine Landfill external audit  
 Project Description: Undertaking an external audit for Mponeng Mine landfill  
 Job Title and Duties: Environmental Scientist – Project coordinator  
 Value of Project: R 49 912.50

Location: Maseru, Lesotho  
 Project duration & year: November 2015  
 Client: The Coca Cola Company  
 Name of Project: Source Vulnerability Assessment for MMB  
 Project Description: Undertaking a Source Vulnerability Assessment of the Coca cola Lesotho  
 Job Title and Duties: Environmental Scientist – Project researcher, Project assistant  
 Value of Project: R 135 000

Location: Matsapha, Swaziland  
 Project duration & year: August 2015  
 Client: The Coca Cola Company  
 Name of Project: Source Vulnerability Assessment for CONCO  
 Project Description: Undertaking a Source Vulnerability Assessment of the Coca cola Swaziland  
 Job Title and Duties: Environmental Scientist – Project researcher, Project assistant  
 Value of Project: R 130 000

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#### Key Experience: Environmental projects

Location: Steelpoort, Limpopo Province  
 Project duration & year: 2015  
 Client: Anglo American Platinum's Modikwa Platinum Mine  
 Name of Project: Basic Assessment Process for the Amendment of Modikwa Platinum Mine's Environmental Management Programme – North 1 Shaft Project  
 Project Description: Update and consolidate Modikwa Platinum Mine's EMP to include additional Ventilation Shaft and Crusher Plant  
 Job Title and Duties: Environmental Scientist – Project administrator, Project assistant  
 Value of Project: R 393 700

Location: Mokopane, Limpopo Province  
 Project duration & year: 2015  
 Client: Odozi Obodo (Pty) Ltd  
 Name of Project: Environmental Authorisation Process for the Tailings Retreatment Plant and Associated Infrastructure at Mogalakwena Platinum Mine  
 Project Description: Basic Assessment and Environmental Management Programme  
 Job Title and Duties: Environmental Scientist – Project administrator, Project assistant  
 Value of Project: R 274 688.00

Location: Country Wide  
 Project duration & year: 2015  
 Client: FibreCo Telecommunications (Pty) Ltd  
 Name of Project: Amendment to the environmental authorisation for construction of the FibreCo Fibre Optic Data Cable  
 Project Description: Amendment to the Original Route to Support General Authorisation  
 Job Title and Duties: Environmental Scientist – Project administrator, Project assistant  
 Value of Project: R 631 522.00

Location: Rustenburg, North-west Province  
 Project duration & year: January 2014  
 Client: Rustenburg Local Municipality  
 Name of Project: Thusanang Housing Project  
 Project Description: Environmental Authorisation for a new housing development and sewage treatment plant.  
 Job Title and Duties: Environmental Scientist – Project administrator, Project assistant  
 Value of Project: R 7 500 000

Location: Rustenburg  
 Project duration & year: 2014  
 Client: Anglo American Platinum's Rustenburg Platinum Mine  
 Name of Project: Waste Management Licensing of General Waste Sorting & Storage Areas for Anglo American Platinum's Rustenburg Platinum Mines  
 Project Description: Basic Assessment and Environmental Management Programme  
 Job Title and Duties: Environmental Scientist – Project administrator, Project assistant  
 Value of Project: R 297 500.00

Location: Steelpoort, Limpopo Province  
 Project duration & year: 2013  
 Client: Anglo American Platinum's Modikwa Platinum Mine  
 Name of Project: Modikwa Platinum Mine's EMP Consolidation and update  
 Project Description: Integrated Environmental Authorisation Process for the Modikwa Platinum Mine - South 2 Shaft Amendment Project  
 Job Title and Duties: Environmental Scientist – Project administrator, Project assistant  
 Value of Project: R 3 639 955.00

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#### **Key Experience: Environmental projects**

Location: Steelpoort, Limpopo Province  
 Project duration & year: March 2013  
 Client: Anglo American Platinum's Modikwa Platinum Mine  
 Name of Project: Modikwa Platinum Mine's EMP Consolidation and update  
 Project Description: Update and consolidate Modikwa Platinum Mine's EMP to include additional mining related infrastructure  
 Job Title and Duties: Environmental Scientist – Project administrator, Project assistant  
 Value of Project: R 4 000 000

Location: Cape Town, Western Cape Province  
 Project duration & year: August 2013  
 Client: The South African Breweries Limited  
 Name of Project: Source Vulnerability Assessment for Newlands Brewery  
 Project Description: Undertaking a Source Vulnerability Assessment of the Newlands Brewery facility  
 Job Title and Duties: Environmental Scientist – Project researcher, Project assistant  
 Value of Project: R 120 000

Location: Mokopane, Limpopo Province  
 Project duration & year: September 2013  
 Client: Anglo American Platinum's Mogalakwena Platinum Mine  
 Name of Project: Mogalakwena Platinum Mine's EMP Consolidation  
 Project Description: Revision of Mogalakwena Platinum Mine's EMP to conform to the Department of Mineral Resources comments  
 Job Title and Duties: Environmental Scientist – Project researcher, Project assistant  
 Value of Project: R 50 000

Location: Steelpoort, Limpopo Province  
 Project duration & year: September 2013  
 Client: Anglo American Platinum's Rustenburg Platinum Mines Limited – Twickenham Platinum Mine  
 Name of Project: Twickenham Platinum Mine's Annual Integrated Water and Waste Management Plan (IWWMP)  
 Project Description: Updating the IWWMP for Twickenham Platinum Mine  
 Job Title and Duties: Environmental Scientist – Project researcher, Project assistant  
 Value of Project: R 120 000

Location: Lusaka, Zambia  
 Project duration & year: December 2013  
 Client: Zambia Brewery Limited  
 Name of Project: Zambia Brewery Limited – Source Water Vulnerability Assessment  
 Project Description: Undertaking a Source Vulnerability Assessment of the Zambia Brewery facility in Lusaka, Zambia  
 Job Title and Duties: Environmental Scientist – Project researcher, project assistant  
 Value of Project: R 350 000