



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

DEPARTMENT OF WATER AND SANITATION

- APPLICATIONS** : Centre: Pretoria Head Office Please forward your applications quoting the relevant reference number to the Department of Water and Sanitation, Private Bag X350, Pretoria, 0001 or hand deliver to Continental Building, Corner of Visagie and Bosman Street, Pretoria. **For attention:** Ms L Van Wyk
- CLOSING DATE** : 08 June 2018 TIME: 16h00
- POST** : SCIENTIST PRODUCTION GRADE A-C REF NO: 080618/04
BRANCH PLANNING AND INFORMATION, SD: STREAMFLOW HYDRAULICS
- SALARY** : R 549 639 per annum (all inclusive OSD salary package)
- CENTRE** : Pretoria
- REQUIREMENTS** : A BSc Honours degree or equivalent qualification. Compulsory registration with SACNASP as a Professional Scientist (Proof must be attached). Three (3) years post qualification experience in hydrological and/or river hydraulics modelling. A valid driver's licence . Service certificate if not employed by the Department of Water and Sanitation. Experience in usage of hydrological and hydraulic models used in South Africa . Knowledge of flood analysis. Basic understanding of meteorology and weather forecasts. Willingness to take part in extensive in-service training programmes; Willingness to travel extensively, do field work and work irregular hours; Strong communication skills; Technical report writing skills;
- DUTIES** : Configure and run hydrological and hydraulic flow routing models for flood monitoring and forecasting. Issue flood warnings and provide technical input on floods in disaster management forums. Liaise with Dam Operators on operation of dams for flood control. Support the Department of Water and Sanitations Provincial Offices on flood monitoring by assessing the performance and facilitating the maintenance of flood monitoring gauging stations and near real-time telemetry systems to provide flood warning service to downstream riparian neighbouring states sharing the major river systems with South Africa. Develop, implement and maintain rapid flood management information dissemination and early warning systems Write technical reports and regular flood status update reports during floods. Provide training on the operation of real-time data flow data transmission, flood management and early warning systems. Research and development in the field of flood management.
- ENQUIRIES** : Mr Zacharia Maswuma (012) 336-8784