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| <b><u>POST 12/100</u></b>   | : | <b><u>SCIENTIFIC TECHNICIAN: WATER RESOURCE SCIENCE: GRADE A REF NO: 2025/14</u></b>  |
|                             |   | Re-advertisement for Ref No: 2024/87, PSVC 33 of 2024, Applicants who previously applied are encouraged to re-apply   |
| <b><u>SALARY</u></b>        | : | R371 253 per annum, (OSD Salary)  |
| <b><u>CENTRE</u></b>        | : | Cape Town Regional Office   |
| <b><u>REQUIREMENTS</u></b>  | : | National Diploma in Science or relevant qualification. A valid driver's License. Compulsory registration with the SACNASP as a Certificated Natural Scientist. 3 years post qualification technical (scientific) experience. Demonstrates a high level of competencies in sewage and water purification practices and sound knowledge of commercially available plants. A sound understanding of legislation pertaining to water and the environment is required. Performance of analytical techniques for the analysis of water samples, handling of glassware and electronic laboratory equipment and the handling of purification plant equipment (pumps, dosing, siphons, distribution arms on biofilters, aerators, mechanical screens etc.). Computer literacy. Good communication (verbal and written) and human relations skills. Technical problem-solving abilities, reasoning and persuasion abilities. Understanding technology about sewage and drinking water treatment processes. Working knowledge of the design and operational procedures of water care facilities will be of great advantage. Knowledge of the applicable legislative framework like Water Act, Water Service Act, National Environmental Management Act, relevant Regulations e.g. Blue Green No Drop Regulations.  |
| <b><u>DUTIES</u></b>        | : | Scheduled inspections on a monthly, quarterly and six-monthly basis. Sampling of sewage and drinking water purification plants, final effluent and plant components as necessary. Interpret and update Operation and Maintenance Manual and as built drawings. Operator training as necessary. Assessment of sewage and drinking water plants and the relevant processes. Evaluation of commercially available plants. Technical problem solving, laboratory analysis of drinking and wastewater samples. Perform calculations for determination of sludge age, dosage quantities etc. from sewage and drinking water purification plants, report writing compliance/non-compliance of plants, liaison with Control Scientific Technician on laboratory administration. General housekeeping and care for electronic apparatus. Interpretation of analytical data and problem identification. Compilation of reports on final drinking water and wastewater quality. Operation of IRIS system to ensure compliance with DWS Regulations. Establishment of routine inspection schedules. Compilation of final sewage effluent and drinking water reports. Quality assessment and recommendations on improvement of water quality. Forming partnership with Project Managers in addressing challenges during Water Management related projects execution. Yearly visit to Antarctica for the maintenance of water care facilities at the South African research base. |
| <b><u>ENQUIRIES</u></b>     | : | Mr. TM Moloi Tel No: (012) 406 2099   |
| <b><u>APPLICATIONS</u></b>  | : | Cape Town Regional Office Applications: The Regional Manager, National Dept of Public Works, Private Bag X9027, 8000 or hand delivered to Ground-floor, Customs House Building, Foreshore, Lower Heerengracht Street, Cape Town. Or email to: <a href="mailto:RecruitCPT25-10@dpw.gov.za">RecruitCPT25-10@dpw.gov.za</a> .  |
| <b><u>FOR ATTENTION</u></b> | : | Ms C Rossouw  |
| <b><u>NOTE</u></b>          | : | People with disabilities are encouraged to apply  |