

## DEPARTMENT OF ENVIRONMENTAL AFFAIRS

<b><u>APPLICATIONS</u></b>	:	Director-General, Department of Environmental Affairs, Private Bag X4390, Cape Town, 8000 or hand-deliver to 14 Loop Street, Cape Town.
<b><u>CLOSING DATE</u></b>	:	24 December 2018
<b><u>FOR ATTENTION</u></b>	:	Human Resource Management
<b><u>NOTE</u></b>	:	Must be submitted on a Z83 form with a copy of a comprehensive CV, certified copies of qualifications and ID document in order to be considered. It is the applicant's responsibility to have foreign qualifications evaluated by the South African Qualification Authority (SAQA). Correspondence will be limited to successful candidates only. The persons appointed to this position will be subjected to a security clearance. The department reserves the right not to make an appointment. No faxed, e-mailed and late applications will be considered. If you have not been contacted within three 3 months after the closing date of the advertisement, please accept that your application was unsuccessful. For more information regarding the requirements and duties in respect of each position, please visit our website at <a href="http://www.environment.gov.za">www.environment.gov.za</a> . Click on vacancies and ensure you follow the correct link to the position of interest.

## OTHER POSTS

**POST 45/10** : **SPECIALIST SCIENTIST: BIOLOGICAL OCEANOGRAPHY REF NO: OC64/2018**

<b><u>SALARY</u></b>	:	R1 185 210 (All inclusive remuneration package, conditions apply)
<b><u>CENTRE</u></b>	:	Cape Town
<b><u>REQUIREMENTS</u></b>	:	An appropriately recognised PhD in Marine Sciences, Biological Sciences, Zoology, Oceanography or related field. At least 10 years post qualification experience researching marine biology and biodiversity particularly plankton in South Africa, regionally and in the Southern Oceans. Extensive relevant research and Sound knowledge of marine biology. A proven record of scientific research output and human capital development; Demonstrated experience in establishing in situ oceanographic programmes. Extensive record of research and development in the ocean environment with existing funded projects. A good knowledge and understanding of the biological oceanography in the region and ability to integrate with other relevant disciplines for scientific and management purposes. Extensive ability to utilize oceanic observations and measurements in addressing scientific or practical problems. A proven track record of relevant research output including publications and human capital development. Ability to develop, promote and communicate research results to stakeholders, policymakers, scientists, and the general public. Demonstrated strategic management and scientific leadership. The successful incumbent must pass a medical examination for seafarers (Act No.57 of 1951). Registration with SACNASP as a Professional/Certificated Natural Scientist is compulsory. The following will be an advantage: Knowledge in establishing national or regional research programmes. Ability to respond and contribute to the development of internal and external cooperation projects. Experience in marine data and information handling and statistically analyzing data.
<b><u>DUTIES</u></b>	:	Conduct, supervise and manage monitoring programmes and time-series studies in respect of fluctuations in the marine environment in general and in plankton populations in particular, and examine their linkages with ecosystem variability and climate change. Integrate and develop research programmes pertaining to ocean processes and dynamics with an emphasis on integration with other disciplines. Develop programmes/projects on applied biological oceanography including theoretical, modeling, instrumentation and field programs spanning basic and applied research. Provide strategic scientific leadership and direction at national, regional and international levels. Participate in sea-going research cruises, field trips and related activities. Develop projects to address knowledge gaps in South Africa. Conduct and lead applied research into the biological oceanography around southern Africa with application to the earth systems approach. Develop research

and environmental monitoring activities complementing and/or improving existing activities including developing applications from the marine information and data. Participate in working groups and scientific fora as required and delegated by the Department. Publish scientific results in peer-reviewed journals and present at conferences. Provide scientific advice pertaining to oceanography and play a leading role in advocacy. Manage research activities in oceanography and evaluate scientific efficiency. Mentor, train and develop junior scientists and technicians with emphasis on internal staff and students. Develop, implement and operationalize an in situ measurement strategy for South Africa comprising fixed and mobile platforms with strong local, regional and international links, and integration with biogeochemical modeling. Lead Research and Development into new in situ measurement technologies, platforms, and data processing, validation and dissemination methodologies. Participate in teaching at secondary to graduate level within his/her field of research.

**ENQUIRIES** : Jimmy Khanyile Tel No: 021 819 5003 / Ashley Johnson Tel No: 021 819 5003

**POST 49/11** : **SPECIALIST SCIENTIST: CHEMICAL OCEANOGRAPHY REF NO: OC65/2018**

**SALARY** : R1 185 210 (All inclusive remuneration package, conditions apply)

**CENTRE** : Cape Town

**REQUIREMENTS** : An appropriate recognized PhD degree in Chemistry (Inorganic Chemistry/Biogeochemistry) or equivalent qualification. At least 10 years post qualification experience Sound knowledge of the application of chemistry to the marine environment. A proven record of scientific research output and human capital development. Proven strategic management and leadership skills. Extensive experience in establishing research programmes. The successful incumbent must pass a medical examination for seafarers (Act No.57 of 1951). Registration with SACNASP as a Professional/Certificated Natural Scientist is compulsory. Willingness and ability to go to sea regularly and for extended periods. A valid code 08/EB driver's license. Successful candidate must pass a medical examination for seafarers (Section 101 of the SAMSA Act.57 of 1951). Registration with SACNASP as a Professional/Certificated Natural Scientist is compulsory. The following will be an advantage: Proven extensive experience with marine chemistry research. A sound understanding of ecosystem processes and functioning in the oceans surrounding Southern Africa and impacts of global change.

**DUTIES** : Manage research activities and perform final review and approval of scientific projects. Establish research projects on chemical oceanography as applied to/within the marine environment. Conduct basic and applied research. Give scientific advice and advocacy in respect of the marine environment including the issues of climate change and ocean acidification. Provide strategic leadership at national, regional and international research activities. Publish and present research findings in local and international conferences. Mentor, train and develop junior scientists, technical support and students to promote skills/knowledge transfer and adherence to sound scientific principles and code of practice.

**ENQUIRIES** : Jimmy Khanyile Tel No: 021 819 5003 / Ashley Johnson Tel No: 021 819 5003

**POST 49/12** : **SCIENTIST PRODUCTION GRADE A: COASTAL RESEARCH REF NO: OC63/2018**

**SALARY** : R585 366 per annum (All inclusive remuneration package, conditions apply)

**CENTRE** : Cape Town

**REQUIREMENTS** : An appropriate recognized BSc (Hons) or equivalent qualification with a minimum of 3 years post qualification scientific experience. Compulsory registration with SACNASP as a Professional Natural Scientist. Must have a valid code 08/EB driver's license. A good scientific understanding of the conservation, utilisation and management of coastal waters in South Africa, including sandy beaches and rocky shores, and marine and coastal pollution in that environment. Data management skills, ability to deal with large and complex datasets. A strong background in spatial data analysis and numerical literacy. A sound understanding of ecosystem processes and functioning in the oceans surrounding Southern Africa and impacts of global change. Willingness and ability to go to sea and undertake field trips.

- Successful candidate must pass a medical examination for seafarers (Section 101 of the SAMSA Act.57 of 1951).
- DUTIES** : Develop or help develop new proposals, internally or externally. Initiate and/or participate in a collaborative project. Participate in marine/coastal surveys/trips. Management of infrastructure, samples and data Process and analyse samples. Publication of scientific findings in journals, scientific articles/research reports. Presentations in professional meeting, forums or symposia. Attend training courses/workshops. Participate in outreach events, including public talks, exhibitions etc. Provide written advice/input on issues related to coastal environment. Participate/attend management-related meetings on marine and coastal management issues. Undertake administrative tasks (procurement of equipment and consumables for projects. Plan implementation of projects (e.g. Field trips and outsourcing of sample analysis).  
Mr L Madikiza Tel No: 021 819 5010/ Dr S Kirkman Tel No: 021 819 5051
- ENQUIRIES** : **CONTROL ENVIRONMENTAL OFFICER GRADE A: EFFLUENT DISPOSAL NORMS AND STANDARDS REF NO: OC52/2018**
- POST 49/13** :
- SALARY** : R468 513 per annum  
**CENTRE** : Cape Town  
**REQUIREMENTS** : An appropriate 4 year Degree in Natural or Environmental Management/Sciences or equivalent qualification and 6 years post qualification experience in related field. Extensive knowledge and skills of the South African coast, marine and coastal pollution management, integrated coastal management, coastal processes, coastal management principles and national and international coastal policies and legislation; Knowledge of water quality and environmental monitoring techniques and management; Knowledge and understanding of data and information management. The ability to interpret and apply coastal and related legislation and policies, including the NEM: ICMA Act, NEMA, NEM: WA and NEM: BA Regulations, National Water Act, Minerals Act, international treaties and conventions, national and provincial laws, and departmental protocols. Knowledge and understanding of the functioning of coastal ecosystems and the impacts of human activity on those systems. Knowledge of Integrated Environmental Management and Environmental Impact Assessment. Knowledge of UNEP commitments, GPA programme, Regional Seas Conventions and related projects. Knowledge of government administration and financial procedures. Knowledge of project management. The candidate must have a valid driver's license (Code B) and be willing to travel extensively. Excellent communication, presentation and writing skills are essential.
- DUTIES** : The candidate will be responsible for developing management tools to support the implementation of Section 69 under the Integrated Coastal Management Act (Act 24 of 2008). Source and provide technical information to allow for the identification of an appropriate fee structure for discharge permits and general authorisations. Conduct research to support the development of a risk-based 'effluent classification scheme' or 'sector-specific assessment criteria'/and research to support the identification of effluent emission limits and/or standards based on effluent classification or composition. Assess technical reports and permit applications to develop 'minimum end-of-pipe monitoring requirements' for various discharge sectors, based on effluent classification scheme developed / and to develop 'minimum receiving environment monitoring requirements' for various discharge sectors. Develop and promote norms and standards pertaining to coastal water quality assessment. Provide support to Departmental water quality monitoring initiatives and other related projects. Provide advice on marine pollution issues through management plans, EIA processes and compliance processes. Perform administrative and related management support functions. Maintain the department's interests and obligations under relevant international agreements and Programmes.
- ENQUIRIES** : Ms. N. Baijnath-Pillay Tel No: (021) 819 2409

**POST 49/14** : **CONTROL ENVIRONMENTAL OFFICER GRADE A: ESTUARIES MANAGEMENT REF NO: OC 57/2018**

**SALARY** : R468 513 per annum  
**CENTRE** : Cape Town

**REQUIREMENTS** : An appropriate 4 year Degree in Natural or Environmental Sciences or equivalent qualification and 6 years post-qualification experience in related field. Knowledge and understanding of institutional arrangements and the legal regime pertaining to coastal management. Proven project management, coastal and estuarine management. Knowledge and understanding of coastal management processes and principles. Knowledge and understanding of the functioning of coastal ecosystems and the impact of human activity on those systems. Knowledge of successive of the Integrated Coastal Development Act. Knowledge of the Off-road vehicle regulations, their guidelines, historical context and implementation. Knowledge of government administration and financial procedures, Public Finance Management Act, DEA policies and procedures, Public Service and Departmental Procedures and Prescripts. Ability to work under extreme pressure and resolve conflict. Excellent interpersonal, communication, presentation and writing skills are essential. A valid driver's license (code 8) and willingness to travel extensively.

**DUTIES** : Facilitate the development and implementation of national estuary management plans through cooperation with relevant government department. Support the development and implementation of estuary management plans at provincial including attending to stakeholder engagements at national and international. Facilitate strategies and/or framework for climate change resilience for estuaries in South Africa including the socio economic opportunities provided. Manage and administer the agreements, reports and programmes for estuaries with management authorities in South Africa, including trans-boundary related issues. Ensure the development and implementation of regulatory policy and/or framework for coordinated management of estuaries in South Africa.

**ENQUIRIES** : Mr P Khati Tel No: (021) 819 2495

**POST 49/15** : **CONTROL SCIENTIFIC TECHNICIAN GRADE A: PHYSICAL OCEANOGRAPHY REF NO: (OC61/2018)**

**SALARY** : R422 139 per annum  
**CENTRE** : Cape Town

**REQUIREMENTS** : An appropriate recognized National Diploma / Degree in Natural Sciences or Physical Oceanography or in Engineering or equivalent qualification, plus six (6) years relevant post-qualification experience. Compulsory registration with SACNASP as a certified Natural Scientist. Experience in management and supervision of staff. Extensive experience in small boat operations and specialized diving techniques and expertise in the development, repair and maintenance of scientific instrumentation, preferably ocean related instrumentation. A proven track record of relevant research and development output including human capital development. Proven technical expertise, strategic management and leadership abilities.

**DUTIES** : Oversee and participate in the research, development, and maintenance of scientific equipment and instrumentation; maintain, develop and implement methodologies, systems and procedures related to ocean platforms, instrumentation, sensors, onboard electronic systems (power, data storage, processing, radio/cellular/satellite telemetry), hydro-acoustic modems. Coordinate and manage the collation, dissemination and management of oceanographic data produced from various fixed and moving platforms. Coordinate and supervise staff on small boats and diving operations. Undertake investigations, analyses and write reports into platform, sensor, and instrument performance, with corrective measures (e.g. effects of mooring motion). Participate in research cruises and field trips for extended periods. Develop skills, mentor and supervise staff and students. Participate in local, regional and international observation programs. Supervise research and development projects. Develop and maintain occupational health and safety (OHS) standards and standard operation procedure manuals.

**ENQUIRIES** : Mthuthuzeli Gulekana Tel No: 021 819 5022 / Jimmy Khanyile Tel No: 021 819 5007

**NOTE** : The following would be an added advantage: Knowledge and experience in oceanographic instrumentation and research vessel scientific operations. The successful incumbent will be expected to pass a medical examination for seafarers (Act No.57 of 1951). Short-listed candidates may be required to undergo a theoretical and practical boat operation/swimming/ diving test.

**POST 49/16** : **ENVIRONMENTAL OFFICER SPECIALIZED PRODUCTION: EFFLUENT DISPOSAL REF NO: OC 53/2018**

**SALARY** : R380 364 per annum  
**CENTRE** : Cape Town  
**REQUIREMENTS** : An appropriate Honours Degree in Natural or Environmental Management/Sciences or equivalent qualification and 3-5 years' experience in related field. Extensive knowledge and skills of the South African coast, marine and coastal pollution management, integrated coastal management, coastal processes, coastal management principles and national and international coastal policies and legislation; Knowledge of water quality and environmental monitoring techniques and management; Knowledge and understanding of data and information management. The ability to interpret and apply coastal and related legislation and policies, including the NEM: ICMA Act, NEMA, NEM:WA and NEM:BA Regulations, National Water Act, Minerals Act, international treaties and conventions, national and provincial laws, and departmental protocols. Knowledge and understanding of the functioning of coastal ecosystems and the impacts of human activity on those systems. Knowledge of Integrated Environmental Management and Environmental Impact Assessment. Knowledge of UNEP commitments, GPA programme, Regional Seas Conventions and related projects. Knowledge of government administration and financial procedures. Knowledge of project management. The candidate must have a valid driver's license (Code B) and be willing to travel extensively. Excellent communication, presentation and writing skills are essential.

**DUTIES** : The candidate will be responsible for facilitating the development of a permitting regime for Section 69 of the ICM Act and development of norms and standards for effluent disposal control. Specific areas of work will include: implement the coastal waters discharge permitting system; assess technical reports and permit applications to develop 'minimum end-of-pipe monitoring requirements' for various discharge sectors, based on effluent classification scheme developed, assess technical reports and permit applications to develop 'minimum receiving environment monitoring requirements' for various discharge sectors; assist with stakeholder consultations around such assessment schemes and monitoring requirements. The candidate will be expected to develop and promote norms and standards pertaining to coastal water quality assessment through the promotion of the revised coastal water quality guidelines and solicit feedback from local authorities and end use benefactors. Provide support to Departmental water quality monitoring initiatives and other related projects. Provide advice on marine pollution issues through management plans, EIA processes and compliance processes. Provide technical support to compliance and enforcement processes with the specific focus to coastal pollution related to land based sources.

**ENQUIRIES** : Ms. N. Baijnath-Pillay Tel No: (021) 819 2409

**POST 49/17** : **ENVIRONMENTAL OFFICER SPECIALIZED PRODUCTION: DUMPING REF NO: OC 54/2018**

**SALARY** : R380 364 per annum  
**CENTRE** : Cape Town  
**REQUIREMENTS** : A recognised Honours Degree in the Natural or Environmental Management/Sciences or equivalent qualification and 3-5 years' experience in related field. Relevant technical knowledge and experience in the fields of marine pollution, chemistry, waste management and environmental management is recommended. The position requires ability to analyse and interpret scientific data, and apply relevant government policies and legislation, and international instruments. Proven project management and coastal management experience as well as registration with recognized scientific professional bodies would be an

		advantage. The candidate must have a valid driver's license (Code B) and be willing to travel extensively. Excellent communication, writing and presentation skills are essential.
<b><u>DUTIES</u></b>	:	Provide effective technical support with the implementation of programmes and legislation to control the disposal of wastes and other matter at sea. Specific duties include the assessment of permit applications; development and implementation of projects to ensure compliance with dumping legislation; provision of technical and scientific advice on disposal and marine monitoring; development and promotion of waste prevention and reduction strategies; development of applicable guidelines and strategies for disposal site selection, monitoring and management; and the development of excellent organisational relations with relevant stakeholders. The candidate will also assist in maintaining the Department's international obligations in terms of marine pollution, as delegated by the Director/Control Environmental Officer.
<b><u>ENQUIRIES</u></b>	:	Ms. F. Albertus-Stanley Tel No: (021) 819 2457
<b><u>POST 49/18</u></b>	:	<b><u>ENVIRONMENTAL OFFICER SPECIALIZED PRODUCTION: OIL SPILLS REF NO: OC 55/2018</u></b>
<b><u>SALARY</u></b>	:	R380 364 per annum
<b><u>CENTRE</u></b>	:	Cape Town
<b><u>REQUIREMENTS</u></b>	:	A recognised Honours Degree in the Natural or Environmental Management/Sciences or equivalent qualification and 3-5 years' experience in related field. Relevant technical knowledge and experience in the fields of marine pollution, disaster management and oceanography is recommended. The position requires the ability to analyse and interpret scientific data, and apply relevant government policies and legislation, and international instruments. Proven project management and coastal management experience as well as registration with recognized scientific professional bodies would be an advantage. The candidate must have a valid driver's license (Code B) and be willing to travel extensively and after hours. Excellent communication, writing and presentation skills are essential.
<b><u>DUTIES</u></b>	:	Provide effective technical support with the implementation of programmes and legislation to support emergency response to an oil spill incident. Specific duties include responding to oil spill incidents, the development and implementation of an oil spill response training programme, development of oil spill training exercises; assist in the updating and promotion of the department's suite of local oil spill contingency plans, assist in the management of equipment stores, aerial surveillance and other technical resources that ensure oil spill readiness. The candidate will also assist in maintaining the Department's stakeholder relations and international obligations in terms of marine pollution, as delegated by the Control Environmental Officer.
<b><u>ENQUIRIES</u></b>	:	Ms. F. Albertus-Stanley Tel No: (021) 819 2457
<b><u>POST 49/19</u></b>	:	<b><u>ENVIRONMENTAL OFFICER SPECIALISED PRODUCTION: ENVIRONMENTAL IMPACT ASSESSMENT (EIA) REF NO: OC58/2018</u></b>
<b><u>SALARY</u></b>	:	R380 364 per annum
<b><u>CENTRE</u></b>	:	Cape Town
<b><u>REQUIREMENTS</u></b>	:	Appropriate Honours Degree in Natural or Environmental Management/Sciences or equivalent qualification and 3-5 years' experience in related field. Knowledge and understanding of institutional arrangements and the legal regime pertaining to coastal management. Broad knowledge of the EIA Regulations and administration. Knowledge on integrated environmental management. Knowledge and understanding of coastal management processes and principles. Knowledge and understanding of the functioning of coastal ecosystems and the impact of human activity on those systems. Knowledge of successive of the Integrated Coastal Development Act. Knowledge of the Off-road vehicle regulations, their guidelines, historical context and implementation. Knowledge of government administration and financial procedures, Public Service and Departmental Procedures and Prescripts. Advanced computer literacy skills and relevant experience. Good communication skills. Good organising and planning, problem solving skills. Ability

		to work individually and in a team. Ability to work under pressure and with minimum supervision. A valid driver's licence.
<b><u>DUTIES</u></b>	:	Establish a mechanism to deal with developments "regulated and unregulated" along the entire South Africa's coastline and engage with compliance and enforcement. Facilitate engagements with competent authorities of coastal provinces for statistics on the Environmental Impact Assessment reports approved and produce quarterly and annual reports. Facilitate Oceans and Coasts comments, inputs and advice on the draft and final Environmental Impact Assessment Reports for all developments along the coast. Facilitate necessary site inspections, attendance to stakeholder meeting, working groups, and implementation workshops for Environmental Impact Assessment. Provide support to general Integrated Coastal Management projects, strategies, policies, plans and programs that have coastal environmental impact assessment implications.
<b><u>ENQUIRIES</u></b>	:	Ms N.P. Tonjeni Tel No: (021) 819 2451
<b><u>POST 49/20</u></b>	:	<b><u>MARINE RESEARCH ASSISTANT III REF NO: OC62/2018</u></b>
<b><u>SALARY</u></b>	:	R242 475 per annum
<b><u>CENTRE</u></b>	:	Cape Town
<b><u>REQUIREMENTS</u></b>	:	National Diploma in Natural Science or equivalent qualification. 1-2 years' experience required in relevant field. Experience with microscope analysis of plankton samples, identification of ichthyoplankton and zooplankton, stable isotope analysis, and the use of plankton sampling gear. A valid code 08/EB driver's license. Basic computer literacy. Willingness and ability to go to sea regularly and for extended periods; the successful candidate must pass a medical examination for seafarers (Section 101 of the SAMSA Act 57 of 1951).
<b><u>DUTIES</u></b>	:	Microscope analysis of ichthyoplankton and zooplankton samples. Assist with stable isotope research. Collection of biological samples at sea and on field trips. Organizing and preparing for sea cruises and field trips. Data capturing.
<b><u>ENQUIRIES</u></b>	:	Jimmy Khanyile Tel No: 021 819 5003 / Marco Worship 021 819
<b><u>POST 49/21</u></b>	:	<b><u>SENIOR HANDYMAN: OIL SPILLS REF NO: OC36/2016</u></b>
<b><u>SALARY</u></b>	:	R136 800 per annum
<b><u>CENTRE</u></b>	:	Cape Town
<b><u>REQUIREMENTS</u></b>	:	Junior Certificate (Grade 10) / ABET. Code 08 driver's licence. Basic knowledge of procurement and occupational safety procedures. Insight to safe movement of furniture/equipment. Insight of minor repairs. Insight to arrange/stack furniture accordingly in the B3 store. Ability to read maps. Ability to work under Pressure. Ability to work with difficult persons and to resolve conflict. Sense of responsibility and loyalty. Ability to take initiative. Experience in operating of oil spill response equipment would be an advantage.
<b><u>DUTIES</u></b>	:	Develop and maintain capacity to respond to oil spill. Do maintenance of equipment as per schedule. Assist in the management of pollution store and assist in the purchasing and taking delivery of materials. Maintain directory of oil and chemical spill resources and database of oil spills. Assess new specifications of oil spill response techniques, equipment, products etc.
<b><u>ENQUIRIES</u></b>	:	Mr TJ Ntje Tel No: 021 510 0417