



MOIRA CLOETE

ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAPASA CERTIFIED)

Moira Cloete Environmental Consulting - MCEC was established in 2007, as a self-owned, small environmental consultancy business covering a range of environmental aspects of projects and developments across the Eastern Cape, primarily.

Centrally situated in Elliot, in the North Eastern Cape, Sakhisizwe Local Municipality, South Africa, MCEC is able to work closely with various Clients/Developers/Municipalities/Engineers and Farmers. Moira Cloete has over 16 years of environmental consulting and project managerial experience acquired both in South Africa and the United Kingdom.

MCEC specializes predominantly in undertaking Basic Environmental Assessments, Environmental Impact Assessments, Environmental Management Plans, Environmental Audits, Environmental Awareness and Training as well as providing on site Environmental Control Services.

A large component of the business consists of advising and assisting landowners with the completion of Water Use License Applications (WULA's) as required by the Department of Water and Sanitation.

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QUALIFICATIONS

- BSc (Majors - Botany, Ecology and Physical Geography & GIS) - NMMU
- BSC Hons (Majors - Environmental Management & GIS) - NMMU

WORK EXPERIENCE

Self Employed – Moira Cloete Environmental Consulting – MCEC (Sole Proprietor - Oct 2007 to date)

Established own Environmental Consulting Business, working on various projects within the North Eastern Cape Area primarily. Completing Environmental Impact Assessments, compiling Environmental Management Programme Reports (EMP's), providing Environmental Control Officer services and Environmental Auditing on construction sites as well as assisting with the completion of Water Use License Applications (WULA's) as required by the Department of Water and Sanitation (DWS). During 2020 MCEC has appointed two Assistant EAP's to complement the business and provide a wider scope of services to Clients.

Recent projects completed include:

- **Waste Water Treatment Works and Sanitation Infrastructure Projects:**
 - Completed the EIA of the Permanent Ugie WasteWater Treatment Works EIA as well as the EIA Scoping Phase of the bulk storage and supply of a large dam for Ugie town with Terreco cc
 - Compiled EMPR's and provided ECO services for a Disaster Relief Project: Aliwal North Waste Water Rehabilitation and Upgrade Project.
- **Forestry:**
 - Completed two projects for PG Bison near Ugie, Eastern Cape a large commercial forestry company. BAR for the replacement and updating of their fire detection system;
 - BAR's for the construction of several internal access roads between forestry compartments.
 - BAR and WULA's for additional internal forestry access roads.
 - BAR/EIA for the PG Bison forestry expansion project basic around Maclear, Ugie and Elliot, together with Terreco Environmental cc.
 - Construction of a wet deck for fire damaged timber.
- **Urban and Rural Planning Projects:**
 - Mt Fletcher rezoning EIA for the communities around Mt. Fletcher, with Terreco cc. Completed two Basic Assessment Reports for MiG funded bridge projects around the Sterkspruit area on behalf of the Senqu Local Municipality.

As well as applying for WULA's from the Department of Water and Sanitation.

- Phase 1 site remediation assessment for a fuel station in Engcobo.
- EIA & WULA for a DRDAR commercial feedlot and irrigation development near Aliwal North
- BAR and WULA for a new road and bridge development project near Mt. Fletcher.
- BAR for a new Military Veteran's residential development in Aliwal North.
- EIA for a new dam and pipeline infrastructure on the Rotondo Macadamian Nut Farm near Rouxville (Free State Province) in association with Indwe Environmental.
- Dust fallout monitoring project for a hard rock quarry near Indwe – monthly sample collections and analysis.
- EIA's and integrated WULA's for a large commercial pig and dairy farming operation near Ida, Indwe and Elliot including large storage dam and irrigation EIA's and WULA's.
- DMR Sandmine permit application including BAR and EMPr near Maclear.
- Compiled the EMPr and provided ECO services for the new DRPW/DRDAR Green Star Rated large office development in Aliwal North.
- **NEMA Section 24G rectification Projects:**
- Managed and compiled the EIR for the rectification of unlawful dam construction activities on Avondbloem Farm, Ugie as a Section 24G NEMA Application and Environmental Assessment Project.
- Managed and compiled the EIR for the unlawful construction resort development activities on behalf of Alpine Swift Trails near Rhodes, Eastern Cape.
- Managed and compiled the EIR for a Lodge development rectification in Aliwal North together with Indwe Environmental.

Career Experience:

Principal Environmental Consultant: Jeffares & Green, SA (now JG Africa): Mar 2001 – Mar 2003

Successfully tendered for and obtained work on numerous projects including, undertaking various investigations and writing up Environmental Management Plans (EMPs) for the rehabilitation of borrowpits as well as environmental scoping reports for the upgrading of existing gravel roads. Conducting environmental investigations including public participation and compiling environmental scoping reports for major road upgrade projects

EIA's, BAR's and WULA's for dam construction projects, irrigation projects, borehole developments:

- Completed numerous earth wall dam construction BAR's, including the co-ordination of various wetland studies for local commercial Farmers in the Elliot, Ugie and Maclear areas, as accordance with ISO14001. Issues such as dust, noise, hazardous and general waste, surface water runoff and prevention of contamination of groundwater etc were monitored. Detailed reports compiled and sent to the Department of Minerals and Energy and the Department of Economic Affairs, Environment and Tourism. Conducting and compiling Environmental Investigations for the project, as well as doing borrowpit EMPs.

Service Stations – Idutywa and Butterworth – Eastern Cape:

Responsible for obtaining the environmental authorization and compiling Environmental Scoping Reports for the proposed establishment of a petrol filling station and convenience store in each town within the Eastern Cape.

Miscellaneous Eskom Powerline projects – Eastern Cape:

Responsible for conducting site investigations and compiling environmental reports for the refurbishment and decommissioning of new and old lines and substations respectively, with regards to the bush clearing operations involved. I worked closely with the Eskom's Regional Environmental Manager. Botanical surveys were undertaken, where specific areas were sampled and the species identified to include in the scoping reports. Listed Red Data species areas were avoided and alternative routes were found. Avifaunal surveys were carried out by an Avifaunal specialist, whom I coordinated, and the results of the specialist surveys were used in my scoping reports.

Bellville South Landfill Site – Cape Town.

Preparing the Operating and Monitoring Report for a major landfill in Cape Town, the Bellville South Landfill Site (BSLS). In addition I had to prepare the Environmental Management Plan (EMP) for the construction phase of BSLS closure and capping. I also completed Environmental Impact Assessments for various smaller landfill sites within the Eastern Cape including assessing waste streams, disposal methods, treatment methods geotechnical analysis for mitigation of environmental impacts

Maputo Roads upgrade project - Mozambique

Responsible for conducting field surveys and compiling an EIA report for upgrading and rehabilitation of roads in and around Maputo – Mozambique following severe flooding. I also successfully obtained authorisation and compiling Environmental Scoping Reports for the proposed establishment of petrol filling stations and convenience stores around the Eastern Cape.

Career Break: Mar 2007 – Aug 2007

Decided to leave the UK, travel around the world & return to South Africa

Company Environmental Manager: Jan 2005 – Mar 2007 **Skanska Construction Business Stream, UK**

as well as the EMPs for 14 borrowpits and hard rock quarries.

- **Karoo, Grahamstown, Alexandria, Kayser's Beach, Kei Mouth Road Upgrade Projects – Eastern Cape:**

Responsible for conducting various investigations and writing up environmental management plans (EMP's) for the rehabilitation of borrowpits as well as environmental scoping reports for the upgrading of existing gravel roads in the areas mentioned above.

- **Sterkspruit to Tellebridge (Lesotho border) road upgrade – Eastern Cape:**

Together with the Senior Environmental Scientist, I was responsible for undertaking environmental site investigations to gather evidence to compile the Environmental Scoping Report, as well as being responsible for undertaking the public participation component of the project. We had to gather botanical evidence to undertake a vegetation survey along the proposed road upgrade project as well as for 14 borrowpits and a hard rock quarry which would be used for the project

- **Undertaking Environmental Control Officer (ECO) duties for phase 1 of the major road upgrade to Maclear and Cala respectively.**

Duties include conducting environmental audits according to ISO14000 standards during construction, particularly on road upgrades to surface standards throughout the Eastern Cape. Environmental Awareness Courses were presented to the project management staff as environmental co-coordinators), and working with the various H&S Managers to produce monthly Board Reports, attend Assurance Team Meetings and managing the EMS.

- Responsible for all aspects of environmental management within the CBS
- Implementation of an environmental policy and Company objectives.
- Maintaining an up-to-date knowledge of all relevant environmental legislation, periodically updating the Legal Register and advising on legal compliance.
- Preparing and delivering environmental training for all CBS staff.
- Review the implementation of the environmental elements of the management System to ensure compliance to ISO 14001:2004
- Review and update the environmental elements of the management system.
- Conduct internal environmental audits as part of ISO 14001: 2004
- Develop and implement a programme of regular environmental awareness talks for all staff

- Responsible for the environmental management of £500 million worth of commercial construction, building services and facilities management work contracts
- Responsible for all aspects of environmental management within both business streams – Skanska Rashleigh Weatherfoil and Skanska Building. This includes managing the environment team, (consisting of an advisor, co-coordinator and site
- Produce an annual environmental training programme and co-ordinate with the Training Department to ensure Environmental Training is carried out
- Attend HVCA Sustainability Group meetings and provide feedback where required
- Attend quarterly Group Environment Manager Meetings at Maple Cross
- Participate in Group Environment Day initiatives
- Management Plan for the Project, conducting site inspections and monitoring environmental performance on site, conduct project and site inductions & environmental briefs. Throughout the project I worked closely with the NR Consents Assistant to ensure Project Continuity where many documents I created were duplicated for each region of the Contract.
- Liaising with QA/HS Managers/Advisers with respect to internal/external audits
- Assist in the production of an internal audit programme
- Carrying out monthly site inspections on a rotational basis for all CBS sites
- Prepare annual sustainability reports for Skanska AB
- Participate with and deliver all Group Environmental Strategies including the Sustainability Business Model and e-learning sustainability tool.
- Additional environmental tasks may be assigned on a periodic basis
- waste generation and disposal in accordance with Waste Legislation including checking transfer notes for compliance.
- In addition, I was tasked with developing and maintaining the Environmental Management System for IUSF in line with NR requirements as well as to compile the Environmental

o **Environment Advisor: June 2003 – Dec 2005**

First Projects (Railway Maintenance Contractor) London, UK

- Contracted to the PSU Project (Network Rail – Sussex Region as IUS First's Environment Manager).
- Roles and responsibilities include: Establishing a consents register used for managing and obtaining required consents/notifications prior to works commencing, obtaining Section 61's for Environmental Noise where required, liaising with Local Authorities, English Nature, DEFRA and the Environment Agency where required, ensuring IUSF are complying with all Environmental Legal Requirements and updating the Legislation Register as required & to manage

o **Environmental Education Officer: Ugie (SA) Jan 1997 – Feb 2001**

- Assisted as the Environmental Education Officer at the PG Bison Khulanathi Environmental Education Centre during University School holidays, teaching groups of scholars about the Environment.
- Assistant Environmental Control Officer: Port Elizabeth (SA) Jan 2000 – Nov 2000

SKILLS & MEMBERSHIPS

(Environmental update bulletins, Toolbox talks etc)

- Provision of advice and approval of environmental elements of Project Environmental Management Plans and Project Plans
- external parties (Local Authorities, Environmental Agencies etc).
- Investigate environmental incidents.
- Advise on sustainability & corporate social responsibility & assist with promoting sustainability within the CBS
- Co-ordinate and ensure Sustainability Forum Group Meetings are held and actioned
- Co-ordinate with site environmental & waste co-ordinators to ensure Client requirements are being met
- Assist in the tendering process where required
- Ensure monthly reporting for Clients is carried out where required on sites
- Produce monthly Board Reports providing progress on internal audits carried out, training figures, incidents etc
- Implement a Trade Contractor Environmental audit programme and ensure monthly audits are carried out
- Produce Trade Contractor Award certificates for year end performers
- Co-ordinate initiatives such as WRAP, Envirowise etc where required
- Prepare external and internal environmental award submissions
- Appointed on a short-term contract to conduct environmental audits and prepare weekly audit reports for the construction phase of the Emfuleni Resort's Casino and Entertainment Complex according to Iso14001. Worked with Professor Guy Bate from University of Port Elizabeth.

- Registered with the Environmental Assessment Practitioners Association of South Africa (EAPASA) – Registration number 2019/910
- Certified as a Professional Natural Scientist with the South African Council of Natural Scientific Professions – Registration number 116546
- Member of International Association of Impact Assessment (South Africa) – Registration number 2175
- Internal EMS Auditor, IEMA accredited, Lloyds Register of Quality Assurance to ISO 14001:2004 (UK)
- Member of Chartered Institute of Waste Management – Managing waste on construction sites (UK)