



GREEN-BOX
CONSULTING

INTEGRATED ENVIRONMENTAL MANAGEMENT

Company Profile

'Filled with environmental solutions'

COMPANY OVERVIEW

Green-Box Consulting is a small, but powerful business capable of providing a range of environmental services required in the different stages of Integrated Environmental Management (IEM); from Assessment, to Planning, and Implementation (management, monitoring and auditing). Our office is situated in Bloemfontein (Free State). Green-Box Consulting specializes in facilitating environmental Basic Assessment, Scoping/ Environmental Impact Assessments (EIAs) and Public Participation processes. Our environmental impact assessments fulfil a gap in the local market for small to medium-sized developments.

Our small size places us in a unique position to provide cost-effective support to a team of like-minded professionals on large projects, and cost-effective services to manage smaller projects, whilst offering the same level of expertise and peace-of-mind as a larger consultancy. The latter is maintained through:

- association with professional disciplines (e.g. Ecology/Botany, Heritage/ Archaeology/ Palaeontology, & Surface / Ground water specialists),
- professional affiliation with the International Association for Impact Assessment - IAIA Free State,
- professional registrations with Environmental Assessment Practitioners Association of South Africa (EAPASA) (2019/1348),
- professional indemnity, and
- continual professional development (CPD).

We specialise in the following:

- Compilation of Environmental Management Plans & Programmes (EMPs) including Construction and Operational aspects;
- Co-ordination of Environmental Baseline Studies and Screening Analyses;
- Facilitation of Environmental Management of Construction Sites which includes Environmental Control, Monitoring and Auditing;
- Basic Assessments, Environmental Impact Assessments (EIA), Waste Management License Applications, Air Quality License Applications, Amendment Applications and Site Selection;
- Prospecting, Mining Permit and Mining Right applications;
- Integrated Water Use Licensing applications, & General Authorisation applications;
- Public Participation Process;
- Damage Assessment (S24G Applications);
- Exotic species management and control;
- Land rehabilitation programmes;
- Predator management plans; and
- Registration of operations that breed animal species in captivity.

We have a small team of consultants who are involved in EIA work with many years of experience in the field. In addition to the expertise offered, the firm has built up a network of experienced specialists whom we can call upon to assist in projects as required; these range from botanical, ecological, heritage, archaeology, palaeontology, surface water, geohydrology, and game management.

OUR VISION

By providing a cost effective and timeous service without compromising quality, while building a personal relationship with clients.

OUR MISSION

Green-Box Consulting is committed to providing sustainable environmental solutions that meet specific customer needs and are consistent with the long-term interests of the environment. We will achieve this by partnering with highly educated team members who will assist with in-depth research, proactive design, effective implementation, and long-term support for all of our clients land use needs. Green-Box Consulting will always maintain high standards of professional conduct and will comply with local, provincial, and national regulations. From initial site evaluations and environmental assessments to intrusive investigations and remedial recommendations and environmental control, every aspect of environmental consulting can be undertaken by Green-Box Consulting.

SERVICES OFFERED

ENVIRONMENTAL IMPACT ASSESSMENTS

Since 1997, environmental authorisations have been a mandatory requirement for a wide variety of development activities, in South Africa and increasingly in the rest of the African continent. Green-Box Consulting has the expertise and experience (gained since 2001) available to undertake the full spectrum of studies required for EIA's, in accordance with the South African Legal Requirements. This includes specialist studies (through our extensive network of top quality, approved specialist sub-consultants) and all the required interactions with the regulating authorities. Our environmental impact assessment services include:

- Environmental screening;
- Basic Assessment reporting;
- Scoping and EIA reporting;
- Environmental Management Plans;
- Amendment of Environmental Authorisation;
- Amendment of Environmental Management Applications;
- Section 24G –Rectification of illegal activities;
- Environmental Control Work.

Related to the EIA's, Green-Box Consulting also has significant experience in compiling and auditing Environmental Management Plans (EMP) and providing environmental control services during construction. Green-Box Consulting prides itself in being able to provide a tailor made and practical approach to EMPs.

WASTE MANAGEMENT CONSULTING SERVICES

Green-Box Consulting is well placed to assist companies, local authorities and others in the development of appropriate, legally compliant waste management strategies. The proliferation of environmental legislation in South Africa over the past decade has left many companies exposed in this regard, and Green-Box brings a considerable level of expertise to bear to address client needs. Some of the specific services that the firm can provide to a high level of competence are as follows:

- Drafting of Integrated Waste Management Plans;
- Waste Assessments and compliance auditing;
- Assessment of disposal and treatment technology alternatives;
- EIA's for landfills, waste water treatment works and other waste disposal facilities,
- EIA's for waste transport;
- Duty of Care assessments;
- Waste minimisation and recycling opportunities;
- Waste management training;
- Permitting and licensing;
- Skills development and competency evaluation;
- Environmental monitoring programmes.

Through Green-Box Consulting a risk based approach, ensures a firm solution is provided to clients in order to be cost effective, practical, appropriate and compliant with the specific regulatory requirements.

MINING AND PROSPECTING RIGHTS AND PERMITS

Mining and natural resource extraction and utilisation has for decades provided the backbone to the South African economy. As natural resources are depleted and demand for these resources increases, the need for feasible reserves is rapidly expanding. South Africa and indeed the remainder of the African continent proved one of the few options available for the prospecting for and supply of, valuable natural resources. The correct and sustainable utilisation of these natural resources is receiving greater attention and the legislation protecting the environment is becoming increasingly onerous. The environmental legislation in South Africa specifically requires that a mining right or mining permit is obtained prior to commencement with mining activities.

Green-Box Consulting has significant experience in carrying out the required process in order to prepare and submit applications for mining rights and permits and associated documentation. This includes all the necessary baseline investigations, feasibility assessments, public participation processes, impact assessments, and related permits and authorisations.

BASELINE MONITORING AND MANAGEMENT SERVICES

Green-Box Consulting offers expert baseline assessments and monitoring of water quality aquatic health, and terrestrial vegetation. Green-Box has a team of scientists who are leading in their field of expertise and applying their expertise to ensure a sustainable approach to management of the environment. Green-Box Consulting offers the following services in baseline monitoring and management:

- Baseline vegetation assessments including vegetation mapping;
- Alien and invasive weed eradication programmes;
- Ecological restoration and rehabilitation plans;
- Riparian habitat assessments;
- Monitoring of physical and chemical parameters in the water environment;
- Water Use licensing applications.

ENVIRONMENTAL MONITORING AND AUDITING SERVICES

The Environmental Control Officer (ECO) fulfils the function of an independent monitor of the implementation of the applicable environmental requirements and conditions of a construction contract. Green-Box Consulting provide the required environmental service as a ECO in the following manner:

- Conduct a start-up meeting to assist in centralising environmental documentation;
- Conduct an environmental induction training day with contractor supervisors;
- Communicate with the pertinent government departments responsible for environmental monitoring and authorization, and any other organ of state;
- Prepare environmental requirements report and present to the Contractor;
- Liaise with the specialist engineers, contractors, and design team regarding environmental management; and
- Monitor, report and audit compliance with the relevant criteria, such as Environmental Management Programmes and Environmental Authorisations.

Liaising with Contractors:

Green-Box Consulting will also inform the contractors of any decisions that are taken concerning environmental management during the construction phase. This will also include advising and informing the contractors of the necessary corrective action to be taken.

Compliance monitoring include:

1. Pre-audit activities:
 - o Scheduling of monitoring inspections,
 - o Selection of monitoring team,
 - o Contact with Engineer, Contractor and planning of the monitoring events.

2. Site activities: which are divided into 5 steps:
 - o First understanding of internal controls,
 - o Assessment of internal controls,
 - o Gathering of audit evidence,
 - o Evaluation of findings,
 - o Report of findings and non-compliances.

3. Post audit activities: which include:
 - o Production of a draft report,
 - o Internal quality check,
 - o Production of a final report,
 - o Recommend corrective actions for non-compliances identified,
 - o Confirm corrective actions have been implemented.

ENVIRONMENTAL POLICY

We believe that the environment represents a strategic resource for both current and future generations. We therefore need to minimize the impact, which our activities have on the environment, by applying appropriate, cost-effective measures, to foster environmentally, sustainable economic development. The following principles are embodied in the company's environmental management program and practices.

- Environmental concerns will be part of the day-to-day activities of the company's operations;
- All activities from planning to implementation of projects incorporate efficient use of resources and minimization of both environmental impacts and waste generation;
- The company needs to strive for continuous improvement of environmental performance in the light of economic, technical, and scientific change.

RELEVANT EXPERIENCE

Green-Box Consulting has gained experience in the field of Integrated Environmental Management since 2001, Examples of work done include–

- Scoping/EIA authorisation for a residential development on the farm Plantation, situated in Ladybrand, 2012 (private development);
- Basic Assessment authorisation for a office block development on a land parcel situated in Bethlehem, 2013 (private development);
- Basic Assessment authorisation for residential development on a property in Pellissier, Bloemfontein, 2014 (private development);
- Scoping/EIA authorisations for various township establishment within the Free State, 2014-2015 (Provincial Department of Human Settlements);
- Basic Assessment authorisation for the development of an abattoir, Lindley, Free State (2015) (private development);
- Advisory and quality control management for various abattoir projects , situated in towns such as Heilbron, Bethulie, Viljoenskroon, Warden and Vryheid, 2012 – ongoing;

- GIS map drawing for a solar plant development proposed near Prieska, 2013;
- Screening reporting for a proposed abattoir in Jacobsdal, 2013;
- Screening reporting for a proposed feedlot in Jacobsdal, 2013;
- Screening reporting for a proposed filling station in Bloemfontein, 2017;
- Screening reporting for a proposed filling station in Clarens, 2018;
- Screening reporting the installation of fuel storage tanks, Victoria West, Northern Cape, 2018;
- Development of various predators breeding management plans in areas such as Warden, Petrusburg, Vrede, Bainsvlei, Brandfort, Reddersburg etc., 2012 – ongoing;
- Assisting in the trade of game, and predators;
- Basic Assessment for the development of a sheep feedlot, abattoir, Lindley, 2015-2016;
- EIA, for township establishment, at Winburg, Reddersburg, Luckhoff, Petrusburg, Harrismith, Koffiefontein, Jagersfontein, 2014-2015;
- Basic Assessment application for the farming of Rabbits, Senekal (Free State), and Boston (KZN), 2016;
- Basic Assessment for township establishment at Botshabelo Section L, 2016;
- Basic Assessment authorisation for the development of a retirement village, Clarens, Free State, 2018;
- Basic Assessment for residential development, Hartswater, 2017;
- Basic Assessment authorisation for a cemetery development, Broedersput, Northern Cape, 2018;
- Basic Assessment for township establishment, Upington, Northern Cape, 2018;
- Basic Assessment authorisation for a cattle feedlot expansion, Aliwal North, Eastern Cape, 2018;
- Basic Assessment authorisation for a filling station in Parys, Free State, 2018;
- Basic Assessment authorisation for the development of a poultry abattoir and broiler units, Bloemfontein, 2018;
- Basic Assessment for the installation of a water pipeline and construction of a dam, Hertzogville, Free State, 2018;
- Basic Assessment for the development of a feedlot and milling plant, Thaba Nchu, Free State, 2018;
- Basic Assessment authorisation for layer house expansion, Kimberley, Northern Cape, 2018;
- Basic Assessment authorisation for a filling station, Welkom, Free State, 2018;
- Basic Assessment for Cemeteries in Danielskuil, Northern Cape, 2018;
- Environmental Management Plan and Risk Assessment for stormwater, Kakamas, Northern Cape, 2018;
- Environmental Management Plan for a raison distribution factory, Fruits De Sud, Kakamas, Northern Cape, 2018;
- Environmental Management Plan and Risk Assessment for stormwater, Lake Grappa Dam, 2018;
- Environmental Management Plan to develop a sheep feedlot, Roodewal, 2018;
- Development of a water and waste management plan, for a water use licence, Tsepong, Free State, 2018;

- Section 24G, rectification application for lusern storage facility, Kimberley, Northern Cape, 2018;
- Scoping/EIA application for the development of a Golf and Lifestyle Estate, Wolfkop Bloemfontein, 2018-2019;
- Scoping/EIA application for the development of a n Industrial Park for Sabie, Mpumalanga, 2018-2019;
- Scoping/EIA for the development of a 600MW solar facility, Bethulie, Free State, 2020 – 2021;
- Scoping /EIA for the development of a energy hub, Prieska, Northern Cape, 2020 – 2021.

ECO / Audits

- ECO, construction of roads, Qwa Qwa, Bluegum Bosch, Vredefort, Parys, Warden to Vrede, 2014-2017;
- ECO, housing development, Wild Olive Estate, Bloemfontein, 2014-2015 and 2019-2020;
- ECO and Close out audits, pipeline installation, bulk water, Welkom, 2012;
- ECO, bulk water pipeline, Sterkspruit, Eastern Cape;
- ECO and audit, Bloemwater, 33km, 1000mm diameter bulk water pipeline, Bloemfontein, 2017 - current;
- ECO, cemetery development, Danielskuil, Northern Cape, 2017-2018;
- ECO, installation of infrastructure at Lerato Park, Kimberley, Northern Cape, 2018 – current;
- ECO, installation of infrastructure at Snake Park, Kimberley, Northern Cape, 2018 – 2019;
- ECO, road upgrade MR 938, Hotazel, Northern Cape, 2018 – current; and
- ECO, road upgrade and maintenance, Dewetsdorp road, Department of Roads, 2020.

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