EOH Coastal & Environmental Services

Full Scoping & EIAs and Basic Assessments in South Africa

EOH Coastal & Environmental Services (EOH CES) specialises in impact assessments and environmental management.

We were established in 1990 when we were involved as lead consultants for a large mineral mining Environmental Impact Assessment (EIA) in South Africa. Since then, EOH CES has branched into a variety of sectors by expanding our capacity and expertise. We believe that a balance between development and environmental protection can be achieved by skilful, considered and careful planning. To achieve this, we have in-house experience in terrestrial, marine and freshwater ecology, waste and water resource management, Social Impact Assessments (SIAs) and public engagement, as well as considerable experience in the management and co-ordination of all aspects of the Environmental and Social Impact Assessment (ESIA) process.

In 2013 EOH Mthombo (Pty) Ltd acquired all the shares in CES (Pty) Ltd, and CES now operates as EOH Coastal & Environmental Services. This acquisition has enabled EOH CES to combine EOH's great reach and reputation with CES's recognized excellence in environmental and social advisory services. It has allowed us to maximize our strengths and our comprehensive offerings in the environmental and social fields, with the EOH Group providing additional administrative and fiduciary support.

We have a proven track record of successfully managing and completing Full Scoping and EIAs and Basic Assessments for a wide range of projects and activities.

Completed EIA and BA studies are presented below in the following categories:

- Residential estates;
- Mixed-use developments;
- Tourism/eco-tourism lodges/resorts;
- Aquaculture;
- Renewable energy developments (wind and solar, see our Renewable Energy Brochure for more details);
- Waste treatment (see our Infrastructure brochure for more details); and
- Linear infrastructure, such as pipelines, power lines and roads (see our Infrastructure brochure for more

Full Scoping And EIA

EOH CES has completed Environmental Impact Assessments for the following categories of projects. In the list below, which only provides select examples, we were the lead Environmental Assessment Practitioner, and took full responsibility for managing the EIA process and meeting the South African regulatory requirements of the National Environmental Management Act, and relevant EIA regulations. We also completed most of the specialist studies in-house, and were responsible for the public participation process:

Residential Estates

- 2011: Toboshane Valley Estate, an up-market residential estate with stables and associated recreational facilities. Approximately 30ha will be developed with the remaining 800ha rezoned and managed as a private nature conservation area, including a lodge, conference and environmental education facilities.
- 2008: "Phase 1" of what was formally known as the Chintsa River Golfing Estate (2016) and currently known as the Olivewood Golf and Country Estate is located south of the Chintsa Estuary, opposite Chintsa East and inland from Chintsa West. The development will consist of 102 dwelling units along the southern boundary of the property (42 residential erven and 5 apartment blocks).
- 2012: Pinedale Eco-Estate which covers an area of 940ha; 56ha of which will be developed to accommodate 50 housing units. The remainder will be zoned and managed as a private nature reserve.
- 2016: Potsdam (Ikhwezi Block 1) Housing Development will consist of low income residential housing and associated infrastructure on approximately 50 ha of land in Potsdam, north-west of Fort Jackson, in the Buffalo City Metropolitan Municipality of the Eastern Cape Province.

Mixed Use Developments

- 2012: Mixed-Use Development in the town of Bizana in the Alfred Nzo District Municipality (Eastern Cape). It covers 35ha which will consist of 17ha of low-, medium- and high-cost residential development and 18ha of retail development including offices, private hospital and light industrial service centres.
Agricultural development

- **2008**: Ranch Estate’s Roodepan Cattle Feedlot, Environmental Assessment covered the proposed development of a cattle backgrounding operation for 5,000 head of cattle. The assessment included a specialist hydrological study to assess the potential impact (including contamination) of the feedlot on ground water resources and management of 250 tons of manure per year.

- **2011**: Red Crest Farms expansion, a development in the Eastern Cape consisting of three new chicken houses with a capacity of 40,000 poultry per facility, i.e. 120,000 poultry on approximately 1-2 ha of land located on Pigeon Krantz Farm in Stutterheim.

- **2011**: Eco Pullets chicken rearing facility proposed to house up to half a million chickens, ranging in age from 3 days to 18 weeks. The basic assessment process included an ecological and paleontological assessment.

- **2013**: Berlin Beef Feedlot, establishment of a cattle feedlot for 3000 head of cattle as well as a manure anaerobic digester.

- **2013-2014**: Grey Jade Trade Waterfall Feedlot, South Africa’s Basic Assessment process was followed for the construction of a cattle and pig feedlot with a capacity for 3000 cattle and 250 sows, respectively and a manure anaerobic digester with a combined heat and power plant. CES was involved in all aspects of this proposed development including the design specifications, ecological, water and waste specialist assessments; and legal requirements as per various South African legislation.

- **2015**: DEG Beefmaster E&S Due Diligence. This assignment involved an assessment of Beefmasters cattle feedlot and abattoir near Kimberley. The reference framework for the audit included the IFC’s Performance Standard 2012, associated EHS guideline documents (including that for cattle rearing) and also relevant national and international legislation. The final deliverable included a comprehensive Environmental and Social Action Plan to address performance gaps.

Other

- **2015**: Black Lite Solar PV manufacturing facility proposed to be located in the East London Industrial Development Zone.

- **2015**: Clariter Waste Plastic Recovery Facility proposed to be located in the East London Industrial Development Zone.

- **2016**: Fish Water Flats Wastewater Treatment Works Biogas Facility. This facility is currently being upgraded and includes a proposed biogas installation.

Basic Assessments

As the lead Environmental Assessment Practitioner EOH CES managed various environmental application processes, including Basic Assessments, Water Use Licence Applications and EIA amendment applications for the following categories of projects:

Residential Estates

- **2010**: Grey’s Gift Lodge, a residential holiday lodge located on the Grey's Gift farm in the Eastern Cape.

- **2012**: Hollingrove Estate, a private residential development situated adjacent to the Waters Meeting Nature Reserve between Grahamstown and Bathurst (Eastern Cape).

- **2016**: Fairewood Estate and Nature Reserve Development, consisting of 111 mixed housing units of high income and middle income residences on a 13.58 ha farm together with adjoining farms (totaling 150 ha, located in Grahamstown (Eastern Cape).

Mixed Use Developments

- **2015**: Summerpride Mixed Use Development, including high density residential apartments and a business centre.

Tourism/eco-tourism/resorts

- **2011**: Nduli Nature Reserve Development, located in Mthatha and includes tourism, out-door and environmental education activities.

- **2013**: Wavecrest Hotel expansion in Kentani, Eastern Cape.

Other

- **2014**: Mercedes Benz SA, new LPG storage facility.

- **2014**: Beer Properties Fuel Station, located in Grahamstown. This project entailed the installation of fuel tanks and rehabilitation of an old fuel station.


EOH Coastal & Environmental Services

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