EOH Coastal & Environmental Services

Expertise in Mining and Extractive Industries

EOH COASTAL & ENVIRONMENTAL SERVICES (CES) specialises in environmental and social advisory services.

Our principal area of expertise lies in assessing the impacts of the development process on the natural, social and economic environments through, among other instruments, the environmental and social impact assessment (ESIA) process.

We were established in 1990 when we were the lead consultants for the St Lucia environmental impact assessment for Richards Bay Minerals, one of the first large-scale EIAs conducted in South Africa. Since then we have continued to serve the mining and extractive industry.

We believe that a balance between development and environmental protection can be achieved by skillful, considerate and careful planning. We have in-house expertise in many disciplines normally required for mining-related environmental, social and health impact assessments (ESHIAs). These include terrestrial, marine and freshwater ecology, social impact assessments (SIAs), resettlement action plans (RAPs) and public involvement, as well as considerable experience in the management and co-ordination of all aspects of the ESHIA process. We have worked with a range of specialist consultants over many years who continue to supplement our in-house staff capacity with expertise in fields such as geohydrology air quality and noise assessments.

EOH CES has a demonstrated ability to manage ESHIAs for large and complex mining projects, some of which have been rigorously reviewed by the World Bank, MIGA, European Investment Bank, IFC, African Development Bank and the Dutch Development Bank (FMO). Generally, these reviews have entrenched our reputation of producing quality products within tight deadlines and budgets. All the ESIAs prepared by EOH CES have been approved by the relevant in-country authorities and environmental licenses issued.

Our ability to successfully manage and complete ESHIAs for large and complex mining projects has been confirmed during reviews by international lenders .

Our staff are all exceptionally well qualified, with many being recognised experts in their particular discipline. Several of our staff hold PhD degrees, and all have post-graduate qualifications in the environmental sciences.

For more information see **www.cesnet.co.za**

Environmental Projects for the Extractive Industry

Environmental Impact Assessments:

EOH CES has conducted and completed environmental and social impact assessment for a large number of mining projects in Africa. For all the projects listed below we were the lead environmental and social assessment practitioner, taking full responsibility for managing the ESHIA process in terms of local legislation and, more often than not, international standards and guidelines. We benchmark our ESHIA's against the International Finance Corporation's eight Performance Standards, as well as World Bank and African Development Bank standards. We also completed many of the specialist studies in-house, and were responsible for the public participation process:

Richards Bay Minerals: Mineral mining on the eastern shores of Lake St Lucia. (This is where it all started.)

TiGen Project: acknowledged by Mozambique authorities as one of the most comprehensive EIA undertaken in Mozambique at that time (1999).

Corridor Sands Limitada: heavy mineral sands mine operation in the Chibuto district of the Gaza Province of Mozambique.

Kenmare Resources (Dublin): Heavy Minerals Mine, in Moma, Mozambique. Detailed feasibility phase ESIA to international standards and numerous addendum EIAs

Allied Procurement Agency: The Chipoka heavy mineral sands mine on the western shores of Lake Malawi.

Exxaro Sands SA (formerly Societe D' Exploitation Madagascar SARL): initial environmental assessment and full ESIA for mineral mining project in south western Madagascar.

Downer EDI of Australia: El Burullus Heavy Mineral Sands Mining Project in Egypt, prepared fo the Nuclear materials Authority of Egypt.

Tiomin Resources Incorporated (Canada): ESIA for the Kwale Project located on the south coasts of Kenya.

First Quantum Minerals (FQM) Zambia: initial ESIA for the copper and nickel Trident mining project in north-west Zambia, followed by two ESIA's for the Sentinel and Kalumbila mines, inclusive of two river diversions and related dams.

World Titanium Resources: Heavy minerals mine in south-west Madagascar, known as the Toliara sands Project.

Beluluane Industrial Zone: limestone mine and cement plant to be located in Matola District, Mozambique.

Capitol Resources Limitada: ESHIA and RAP for an iron ore mine in the Chiuta and Moatize districts of Tete Province, Mozambique.

Syrah Resources Balama Graphite Mine: ESHIA and RAP for graphite mine at Balama, Mozambique.

Triton Minerals: ESHIA for graphite two mines in Ancuabe and Nicanda Hills, in Cabo Delgado Province, Mozambique.

Zirco Resources: ESIA for a heavy minerals mine in the Northern Cape Province of South Africa. The final ESIA has been approved and an Environmental Authorisation has been issued.

Alphamin Resources: ESHIA for the Bisie Tin Project, North Kivu, Bisie, DRC.

In addition to EIAs, EOH CES also has a track record of providing other environmental and social services to the mining sector, such as feasibility studies, resettlement action plans (RAPs), environmental and social compliance audits and preparing environmental management plans (EMPs), as described below:

Tiomin Resources Inc. (Canada): Titanium Minerals project in Kwale, Kenya, preparation of Environmental and Social Management Plans (ESMPs), a host resettlement site EIA and Resettlement Action Plan (RAP)

Wild Coast IHM Heavy Minerals: Strategic assessment of the Centane area in the EC to evaluate various land-use options, including heavy mineral mining.

Coega Industrial Development Zone, Eastern Cape: Environmental Management Programme Report for a large quarry at Coega Kop

Rio Tinto Mining and Exploration Limited: biophysical environmental baseline and impact assessments for mineral sand deposits in Chilubane and Mutamba, Mozambique.

Kenmare Resources: On-going environmental and social management services including review of operational mining EMP, compliance audits against IFC Performance Standards, IFC EHS General Guidelines and EHS Guidelines and the issue of Environmental Completion Certificate.

Zirco Kenhardt Prospecting Applications: Public participation process and Environmental Management Plan compilation for mineral prospecting near Kenhardt in the Northern Cape.

Department of Mineral Resources (DMR): review of financial provisions for the rehabilitation of a salt production facility, Velddrift in the Western Cape.

Alphamin Resources (MPC): prepared an ecological baseline assessment, socio-economic baseline study (SEBS) and social action Plan for the Bisie tin mining project in the Walikale District of the Democratic Republic of the Congo.

EOH Coastal & Environmental Services

OFFERING ENVIRONMENTAL & SOCIAL ADVISORY SERVICES ACROSS AFRICA

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