

Environmental Services Profile



GIBB's Environmental Services has a proven track record in the planning, co-ordination, management and execution of a wide range of projects. The environmental team comprises of 30 highly qualified environmental professionals located in major centres throughout South Africa as well as project offices in sub-Saharan Africa. This enables the projects to be undertaken throughout the country in an efficient and cost effective manner.

Our vast experience in the environmental field and our ability to successfully manage a wide range of projects of all magnitudes makes us well placed to contribute to the successful completion of projects.

Our range of services include:

Environmental Sciences



- Environmental Management Systems (EMS)
- Environmental Advisory Services
- Environmental liability and risk assessment
- Integrated Development Planning (IDP)
- Strategic Environmental Assessment (SEAs)
- Environmental Management Frameworks (EMFs)
- Environmental Impact Assessment (EIAs)
- Public consultation
- Environmental Management Programmes (EMPs)
- Environmental training
- Environmental monitoring and auditing
- Environmental permit and regulatory compliance management
- Coastal zone management and planning
- Botanical and rehabilitation assessments



Environmental Engineering

- Pollution prevention
- Landfill planning, development, design, construction and closure
- Risk assessment
- Integrated Waste Management Plans
- Environmental monitoring protocols
- Permitting of landfill sites
- Business consulting
- Site remediation
- Landfill management and operation plans
- Waste minimization and recycling
- Hazardous waste management
- Leachate treatment and landfill gas management and monitoring
- Environmental permit and regulatory compliance management



Environmental Services Profile (Cont)

Environmental Experience

GIBB's environmental team has completed many projects including:



Strategic Environmental Management (Advisory Services, SEAs, EMFs)

- SEA for the proposed 1 million ha Heritage Park extending from the Madikwe National Park to the Pilansberg National Park
- SEA for the proposed Vaalkopdam Provincial Nature Reserve
- SEA as part of Phase 1 of the proposed Gonubie Equestrian Housing Estate
- SEA for Muldersdrift and Sandton, Gauteng



Environmental Impact Assessments (EIAs)

- EIA for the R4 billion Braamhoek Pumped Storage Scheme
- EIA and public consultation process for the City of Johannesburg's R250 million flagship Strategic Public Transport Network project
- Scoping study for the proposed network of toll roads (e.g. Ben Schoeman) between Johannesburg and Pretoria
- Project management of the Integrated Environmental Management process and EIA for the upgrade and rehabilitation for Chapman's Peak Drive
- EIA for the regional landfill site for Buffalo City Municipality
- EIA for rural settlement of 600 houses in the visually sensitive Groot Drakenstein valley



Environmental Management Programmes (EMPs)

- EMPs for the construction and operation of the Table Mountain Aerial Cableway
- Generic EMP for Johannesburg City Parks
- EMP for the construction phase of Du Toit's Kloof Pass
- EMP for the R10 million Thesen Island remediation project in Knysna including the investigation and remediation of a timber processing plant including creosote and CCA contaminated land
- EMP for the decommissioning, soil remediation, revegetation and long term monitoring of Somchem's 11 ha armaments testing facility in the Kogelberg Biosphere Reserve



Environmental Management Systems (EMS)

- Development and implementation of an EMS for Cape Town International Airport as well as a generic EMS for international airports in South Africa
- Development and implementation of an EMS for the Coega IDZ in Port Elizabeth
- Development and implementation of an EMS for a Japanese owned ceramic substrate manufacturing plant in Cape Town
- Development and implementation of an EMS for water supplies in nine major cities in Mozambique

Environmental Services Profile (Cont)



Public Participation Processes (PPP)

- PPP for the proposed new landfill site for the town of Oudtshoorn
- PPP for the proposed westerly extension of Blanco Boulevard, George involving the assessment of seven alternatives
- PPP for the Kirstenbosch National Botanical Garden's new restaurant

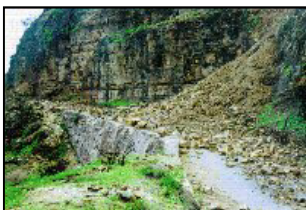
Environmental Monitoring and Auditing

- EMS audit for the operation of the Table Mountain Aerial cableway
- Due diligence audits for four distribution centres for an international client
- Due diligence and environmental health and safety audits for ten industrial facilities in South Africa operated by ECO BAT
- Due diligence audit for a vinyl manufacturing plant in Somerset West



Botanical Studies (Surveys, Assessments & Rehabilitation Plans)

- Botanical specialist assessment and rehabilitation plan between Olifants River mouth and Doringbaai, West Coast
- Botanical specialist assessment within the 100 ha proposed Karwyderskraal landfill site (Bot River Valley), including recommendations for mitigation and management
- Botanical specialist assessment within Phases 1 to 3 of the 2 000 ha residential development in Milnerton, including mapping vegetation remnants using a global positioning system
- Assessment of the flora within the 350 ha site of the Cape Town International Airport, including the identification of "no go" areas and significant environmental issues



Waste Management

- Permitting and design of 450 000 ton per annum waste disposal and processing facility for City of Cape Town
- Permitting and design of regional waste disposal facility and transfer stations for Buffalo City Municipality
- Permitting, planning and design of three waste transfer stations and disposal site for the Overberg Municipality
- Integrated waste management plan for Amatole District Municipality



Certification of Environmental Practitioners

In line with a national trend for professionals to become registered with a certification body, a body for environmental practitioners has recently been implemented. Neal Carter, our senior consultant has been appointed to the Interim Certification Board. A number of our staff have been certified or are currently applying for certification.