

Karien Killian

Environmental Scientist



Profession Environmental Scientist

Education MSc Marine Botany, Nelson Mandela Metropolitan University, 2011
 BSc Hons Zoology, Nelson Mandela Metropolitan University, 2006
 BSc, Zoology, Botany, Geography, GIS, Nelson Mandela Metropolitan University, 2005

Registrations/ Affiliations None

Specialisation Basic Assessments, Environmental Impact Assessments, Environmental Management Plans, Waste License Applications, Water Use License Applications, Environmental Auditing, Section 24G Applications.

Expertise Karien Killian has previous experience in the aquaculture industry, specifically involving the Pacific Oyster (*Crassostrea gigas*) Hatchery in the Port Elizabeth Harbour where she worked for one year. Her expertise includes water quality / nutrient analyses (relating to mariculture and phytoplankton), algal culturing and surf-zone phytoplankton dynamics, as well as Harmful Algal Blooms in which she has four years' experience.

Employment

2014 – present SRK Consulting (Pty) Ltd, Environmental Scientist (Consultant), Port Elizabeth

2013 - 2014 Dynamic Commodities, Product Development Specialist, Coega IDZ

2009 – 2012 NAVTEQ, Geographic Analyst, Port Elizabeth

2008 – 2009 B & G Mariculture / Kowie Oysters, Hatchery Supervisor, Port Elizabeth

2004 - 2008 NMMU Botany and Zoology Departments, Research / Laboratory Assistant

Publications None

Languages English – read, write, speak (Excellent)
 Afrikaans – read, write, speak (Excellent)

Key Experience: Basic Assessments

Location: St. Marks to Sabalele, Eastern Cape, South Africa
 Project duration & year: 2014 - present
 Client: SANRAL
 Name of Project: Upgrade of the DR 08376 from the R61 at St Marks to Sabalele Village
 Project Description: Environmental Assessment of the widening and surfacing of the R61 at St Marks to Sabalele Village (19 km), including assessment of borrow pits and river crossings
 Job Title and Duties: Compilation of Basic Assessment Report and Mining EMP.
 Value of Project: R 300 000

Location: Alexandria area, Eastern Cape, South Africa
 Project duration/date: November 2014 - present
 Client: Wycombevale Broers Boerdery
 Name of Project: Wycombevale Vegetation Clearing BA
 Project Description: Basic Assessment for clearing of agricultural land for pastures
 Job Title and Duties: Compilation of Basic Assessment reports and Environmental Management Programme

Location: Humansdorp, Eastern Cape Province
 Project duration/date: 2015
 Client: Eastern Cape Department of Rural Development and Agrarian Reform
 Name of Project: Wittekleibosch Milking Parlour, Humansdorp, Eastern Cape Province
 Project Description: Basic Assessment and Water Use License Application for a milking parlour near Humansdorp in the Eastern Cape Province
 Job Title and Duties: Compilation of Basic Assessment report and Water Use License Application.

Location: Kenton on Sea, Eastern Cape Province
 Project duration/date: 2015
 Client: Seriso 616 (Pty) Ltd.
 Name of Project: Fuel Service Station, Kenton-on-Sea, Eastern Cape Province
 Project Description: Basic Assessment and Water Use License Application for a fuel service station in Kenton on Sea in the Eastern Cape Province
 Job Title and Duties: Compilation of Basic Assessment report and Water Use License Application.

Key Experience: Waste License Applications

Location: Witteklip, Port Elizabeth
 Project duration & year: 2012 - present
 Client: NMBM
 Name of Project: Isizwe Witteklip Housing Wastewater Treatment Works
 Project Description: Basic assessment and waste license application for a wastewater treatment works associated with the proposed Witteklip housing development
 Job Title and Duties: Assisting with compilation of waste licence application
 Value of Project: R 560 000

Location: Humansdorp, Eastern Cape Province
 Project duration/date: 2015
 Client: Eastern Cape Department of Rural Development and Agrarian Reform
 Name of Project: Wittekleibosch Milking Parlour, Humansdorp, Eastern Cape Province
 Project Description: Waste License Application for a milking parlour near Humansdorp in the Eastern Cape Province
 Job Title and Duties: Compilation of Waste License Application.
 Value of Project:

Location: Louterwater, Eastern Cape

Project duration & year: 2016
 Client: Granor Passi (Pty) Ltd
 Name of Project: Granor Passi Evaporation Ponds
 Project Description: Basic Assessment and Waste Licence Application for the construction of effluent evaporation ponds for a juice concentrate extraction plant at Louterwater.
 Job Title and Duties: Compilation of Waste Licence Application

Key Experience: Water Use License Applications

Location: St. Marks to Sabalele, Eastern Cape, South Africa
 Project duration & year: 2014 - 2015
 Client: SANRAL
 Name of Project: Upgrade of provincial road DR 08376 from the R61 at St Marks to Sabalele Village
 Project Description: Basic assessment of the upgrade of district road DR 08376 from gravel to surface standard
 Job Title and Duties: Compilation of Water Use Licence Applications
 Value of Project: R 300 000

Location: Cookhouse, Eastern Cape, South Africa
 Project duration/date: March 2014 – September 2015
 Client: Blue Crane Route Municipality
 Name of Project: Cookhouse WWTW Upgrade BA and WULAs
 Project Description: Basic Assessment and WULAs for upgrade of existing wastewater treatment works
 Job Title and Duties: Assisting with compilation of Water use Licence Application.
 Value of Project: ~ R150 000

Location: Humansdorp, Eastern Cape Province
 Project duration/date: 2015
 Client: Eastern Cape Department of Rural Development and Agrarian Reform
 Name of Project: Wittekleibosch Milking Parlour, Humansdorp, Eastern Cape Province
 Project Description: Water Use License Application for a milking parlour near Humansdorp in the Eastern Cape Province
 Job Title and Duties: Compilation of Water Use License Application.

Key Experience: Environmental Management Programmes

Location: Between Queenstown and Covimvaba
 Project duration & year: 2014 - present
 Client: SANRAL
 Name of Project: Upgrade of provincial road DR 08376 from the R61 at St Marks to Sabalele Village
 Project Description: Basic assessment of the upgrade of district road DR 08376 from gravel to surface standard
 Job Title and Duties: Compilation of Mining Environmental Programme and Construction Environmental Programme
 Value of Project: R 300 000

Location: Port Elizabeth and Surrounds
 Project duration & year: 2012 - present
 Client: NMBM
 Name of Project: Environmental Management Programme for the Construction of Wind Turbine Generators on the Ranger and Betshanger Sites
 Project Description: Compilation of environmental management programmes
 Job Title and Duties: Assisting with compilation of Environmental Management Programme Reports

Key Experience:	Environmental Auditing
Location:	Kuyga township, Port Elizabeth, Eastern Cape, South Africa
Project duration & year:	March 2014- current
Client:	Aecom
Name of Project:	Aecom Kuyga sewers ECO
Project Description:	ECO function for construction of the upgrade of sewers and construction of a pumpstation in Kuyga township
Job Title and Duties:	Monitoring construction of the sewers and pumpstation, compiling monthly audit reports and liaising with the contractors.
Value of Project:	~R60 000