

Rob Gardiner

Principal Environmental Scientist



Profession	Principal Environmental Scientist
Education	MBA, Port Elizabeth Technikon, 2004 MSc, Chemistry – Industrial, University of Leeds, 1993 BSc (Hons), Chemistry, University of Cape Town, 1989
Registrations/ Affiliations	Pr Sci Nat, Environmental Scientist (South Africa) 400079/03 Member, International Association of Impact Assessors

Specialisation Environmental impact assessments, environmental management systems, ISO 14001, environmental management plans, environmental monitoring, and environmental auditing.

Expertise Rob Gardiner has been involved in the field of environmental consulting for over 23 years. His expertise includes:

- environmental impact assessments (EIA);
- environmental management systems (EMS) and management plans (EMP);
- water quality monitoring; and
- environmental due diligence and environmental auditing.

His experience in the development, mining, manufacturing and public sectors has been gained in projects within South Africa, Lesotho, Botswana, Angola, Zambia, Zimbabwe, Democratic Republic of Congo, and Suriname.

Employment

2001 – present	SRK Consulting (Pty) Ltd, Principal Environmental Scientist and responsible for the Eastern Cape Environmental Department, Port Elizabeth
1998 – 2001	Gardiner Associates, Sole Proprietor and Environmental Consultant, Port Elizabeth. Assisted numerous clients in implementation, and aspects of, ISO 14001. This included conducting Initial Reviews, implementing environmental monitoring and management programmes, conducting third party audits of suppliers and contractors, and identifying and assessing compliance with legal and other requirements.
1991 – 1998	CSIR, Division of Textile Technology, Port Elizabeth. Responsible for the Division's environmental management offerings to the South African textile industry, including ISO 14001 awareness and eco-labelling. Also responsible for the CSIR's environmental impact assessment offerings in the Eastern Cape Region.

Languages English – read, write, speak
Afrikaans – read, write, speak

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Key Experience: Environmental assessment: energy

Location: Coega Industrial Development Zone
 Project duration & year: November 2016 – current (on going)
 Client: Coega Development Corporation
 Name of Project: Coega Gas to Power Project
 Project Description: Environmental Impact Assessment and Air Emission License application for 4,500 MW Combined Cycle Gas Turbine Project, including regasification unit.
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: R 800,000

Location: Groot Winterhoek Mountains, Kirkwood, Eastern Cape, South Africa
 Project duration & year: November 2014 – November 2016
 Client: Vulisango Holdings (Pty) Ltd
 Name of Project: Inyanda – Roo-deplaat 150 MW Wind Energy Facility
 Project Description: Environmental Assessment for the Inyanda-Roodplaat 150 MW Wind Energy Facility in the Groot Winterberg Mountains, Kirkwood, Eastern Cape
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: R 1,200,000

Location: Hopetown, Northern Cape, South Africa
 Project duration & year: April 2015 - current (on going)
 Client: Afri-Coast Energy (Pty) Ltd
 Name of Project: Kloofsig 450 MW photovoltaic solar energy facility
 Project Description: Environmental Assessment for the 450 MW Kloofsig photovoltaic (PV) solar energy facility, Hopetown, Northern Cape
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: R 1,000,000

Location: Humansdorp, Eastern Cape
 Project duration & year: 2 months, 2013
 Client: Rushmere Noach Incorporated
 Name of Project: Banna Ba Pifhu 50 MW Wind Energy Project
 Project Description: External review of the Environmental Assessment for the 50 MW Wind Energy Project (17 turbines, ranging from 1.2 MW to 3.2 MW)
 Job Title and Duties: External Review
 Value of Project: R 50,000

Location: Port Elizabeth Eastern Cape, South Africa
 Project duration & year: 6 months, 2015
 Client: Afri-Coast Energy (Pty) Ltd
 Name of Project: Hopewell Conservation Estate, 9 MW photovoltaic solar energy facility
 Project Description: Basic Assessment
 Job Title and Duties: Environmental Assessment Practitioner / Project Director
 Value of Project: ±R 100,000

Location: Cradock, Eastern Cape, South Africa
 Project duration & year: 12 months, 2012
 Client: Af-Rom (Pty) Ltd
 Name of Project: Dobbin 75 MW photovoltaic solar energy facility
 Project Description: Environmental Impact assessment
 Job Title and Duties: Environmental Assessment Practitioner / Project Manager
 Value of Project: R 600,000

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Key Experience: Environmental assessment: energy

Location: Victoria West, Northern Cape, South Africa
 Project duration & year: 12 months, 2012
 Client: Af-Rom (Pty) Ltd
 Name of Project: Brakpoort 75 MW photovoltaic solar energy facility
 Project Description: Environmental Impact assessment
 Job Title and Duties: Environmental Assessment Practitioner / Project Manager
 Value of Project: R 600,000

Location: Uitenhage, Eastern Cape, South Africa
 Project duration & year: 5 months, 2011
 Client: Afri-Coast Engineers (Pty) Ltd
 Name of Project: Ranger Wind Energy Facility
 Project Description: Environmental Screening
 Job Title and Duties: Environmental Assessment Practitioner / Project Manager
 Value of Project: ± R 100,000

Location: Uitenhage, Eastern Cape, South Africa
 Project duration & year: 1 month, 2014
 Client: Afri-Coast Engineers (Pty) Ltd
 Name of Project: Ranger Wind Energy Facility
 Project Description: Preparation of an Environmental Management Plan for 3 x 1 MW wind turbines on the Ranger game farm, adjacent to the Groendal Nature Reserve
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: ± R 50,000

Location: Blue Horizon Bay, Eastern Cape, South Africa
 Project duration & year: 1 month, 2014
 Client: Afri-Coast Engineers (Pty) Ltd
 Name of Project: Betshanger Wind Energy Facility
 Project Description: Preparation of an Environmental Management Plan for 3 x 1 MW wind turbines on the farm Betshanger, Blue Horizon Bay
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: ± R 50,000

Location: Upington, Northern Cape, South Africa
 Project duration & year: 11 months, 2009 / 2010
 Client: Fluopro Investments (Pty) Ltd
 Name of Project: Upington 1.5 MW photovoltaic solar energy facility
 Project Description: Environmental Assessment
 Job Title and Duties: Environmental Assessment Practitioner / Project Manager
 Value of Project: ± R 100,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 8 months, 2012
 Client: Orion Engineered Carbons
 Name of Project: Orion 19.5 MW Cogeneration Plant
 Project Description: Environmental Assessment and Air Emission License amendment, for the development of a 19.5 MW electrical power cogeneration plant
 Job Title and Duties: Environmental Assessment Practitioner, Project Manager
 Value of Project: ± R 180,000

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Key Experience: Environmental assessment: energy

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 18 months, 2009 to 2010
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: NMBM / CEF 27 MW Wind Energy Facility EIA
 Project Description: Environmental Assessment for a 27 MW Wind Energy Facility on three potential sites within the Nelson Mandela Bay Municipal area
 Job Title and Duties: Environmental Assessment Practitioner / Project Review
 Value of Project: ± R 1,600,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 24 months, 2012 to 2013
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: 27 MW van Stadens Wind Energy Facility
 Project Description: Environmental consulting services for the construction of the 27 MW van Stadens Wind Energy Facility
 Job Title and Duties: Environmental Assessment Practitioner / Project Review
 Value of Project: ± R 1,400,000

Key Experience: Environmental assessment: linear projects

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 24 months 2009 to 2011
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: 132 kV Overhead Powerline from Bloemendal to Tembani T-off
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 300,000

Location: Uitenhage, Eastern Cape, South Africa
 Project duration & year: 24 months 2009 to 2011
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: 132 kV Overhead Powerline from Sans Souci Substation to the new Nivens Drift substation
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 300,000

Location: St Marks to Sabalele village, Eastern Cape, South Africa
 Project duration & year: 9 months, 2014
 Client: South African National Roads Agency SOC Limited
 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: Environmental Assessment Practitioner, Project Director
 Value of Project: ± R 300,000

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Key Experience: Environmental assessment: linear projects

Location:	Cradock to Middleburg, Eastern Cape, South Africa
Project duration & year:	9 months, 2012
Client:	South African National Roads Agency SOC Limited
Name of Project:	Upgrade of National Route 10, Section 4, Cradock to Knutsford
Project Description:	Environmental Assessment Services
Job Title and Duties:	Project Director
Value of Project:	± R 250,000
Location:	Ngcobo, Eastern Cape, South Africa
Project duration & year:	9 months, 2012
Client:	South African National Roads Agency SOC Limited
Name of Project:	Upgrade of Route 61, Section 6 from Qumanco River to Ngcobo Town
Project Description:	Environmental Assessment Services
Job Title and Duties:	Project Director
Value of Project:	± R 250,000
Location:	Orange Free State, South Africa
Project duration & year:	9 months, 2012
Client:	South African National Roads Agency SOC Limited
Name of Project:	Upgrade of National Route 1, Section 14, between Trompsburg Interchange and Fonteintjie
Project Description:	Environmental Assessment Services
Job Title and Duties:	Project Director
Value of Project:	± R 250,000
Location:	Graaff-Reinet to Cradock, Eastern Cape, South Africa
Project duration & year:	9 months, 2011
Client:	South African National Roads Agency SOC Limited
Name of Project:	Upgrade of Route 61, Section 2: Draairivier to Elinus Farm between Graaff-Reinet and Cradock
Project Description:	Environmental Assessment Services
Job Title and Duties:	Project Director
Value of Project:	± R 250,000
Location:	Cradock to Middleburg, Eastern Cape, South Africa
Project duration & year:	7 months, 2010
Client:	South African National Roads Agency SOC Limited
Name of Project:	Upgrade of National Route 10, Section 4 (± 24 km) Tafelberg to Middelburg
Project Description:	Environmental Assessment Services
Job Title and Duties:	Project Manager, Environmental Assessment Practitioner
Value of Project:	± R 100,000
Location:	Cradock to Middelburg, Eastern Cape, South Africa
Project duration & year:	7 months, 2010
Client:	South African National Roads Agency SOC Limited
Name of Project:	Upgrade of National Route 10, Section 4 (±24 km) Tafelberg to Middelburg
Project Description:	Environmental Assessment Services
Job Title and Duties:	Project Manager, Environmental Assessment Practitioner
Value of Project:	± R 100,000

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Key Experience: Environmental assessment: linear projects

Location: Seaview, Eastern Cape, South Africa
 Project duration & year: 8 months, 2009, and reassessed in 2016
 Client: Nelson Mandela Bay Municipality
 Name of Project: Seaview Bulk Water Supply
 Project Description: Environmental Assessment for a bulk water infrastructure, including two 2.5 ML clear water reservoirs, one in the Island Nature Reserve, and 10 km of new pipelines, ranging from 200 mm to 700 mm diameter, near Seaview, Port Elizabeth
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: ± R 150,000

Location: Addo to Motherwell, Eastern Cape, South Africa
 Project duration & year: 36 months, 2007 to 2010
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Nooitgedagt/Coega Low Level Scheme water supply pipeline
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 500,000

Location: Gonubie, East London, Eastern Cape
 Project duration & year: 9 months, 2008
 Client: Eastern Cape Department of Roads and Public Works
 Name of Project: East Coast Resorts Road Upgrade
 Project Description: Basic Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 150,000

Location: St Francis Bay, Eastern Cape, South Africa
 Project duration & year: 9 months 2003
 Client: Kouga Municipality
 Name of Project: St Francis Bay Bulk Water Supply (16 km) Pipeline
 Project Description: Environmental Scoping Study
 Job Title and Duties: Project Manager
 Value of Project: ± R 60,000

Location: Matatiele to Mount Frere, Eastern Cape, South Africa
 Project duration & year: 4 months, 2003
 Client: Eastern Cape Department of Roads and Public Works
 Name of Project: Environmental Assessment and Environmental Management Plan, Trunk Road 08015 (± 22 km), between Mount Frere and the R 56 between Matatiele and Mount Fletcher.
 Project Description: Environmental Scoping Study and Environmental Management Plan
 Job Title and Duties: Project Manager, Environmental Assessment Practitioner
 Value of Project: ± R 50,000

Location: Port Elizabeth, Eastern Cape
 Project duration & year: 2014
 Client: Airports Company South Africa
 Name of Project: Port Elizabeth Airport Runway End Safety Area and Strip Compliance
 Project Description: Environmental Assessment for the Extension of the Runway End Safety Area to comply with the recommendations of the International Civil Aviation Authority
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: R 140,000