

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 22 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

Rob Gardiner

Principal Environmental Scientist

Key Experience: Environmental assessment: coastal management

Location: St Francis Bay, Eastern Cape, South Africa
 Project duration & year: 2002 to 2007 (including discontinuities)
 Client: Kouga Municipality
 Name of Project: St Francis Bay Beach Remediation
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Co-ordinator for initial EIA, Project Manager for revision of EIR
 Value of Project: ± R 500,000

Location: Nelson Mandela Metropolitan Municipality, Eastern Cape, South Africa
 Project duration & year: 6 months, 2005
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Integrated Beach Development Plan
 Project Description: Strategic Environment Assessment
 Job Title and Duties: Environmental Assessor
 Value of Project: ± R 100,000

Key Experience: Environmental assessment: linear projects

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

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: Ngcobob, 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 Ngcobob 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

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Key Experience: Environmental assessment: linear projects

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: 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: 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

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

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Key Experience: Environmental assessment: linear projects

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

Key Experience: Environmental assessment: energy

Location: Coega Industrial Development Zone
 Project duration & year: 12 months, 2016
 Client: Coega Development Corporation
 Name of Project: Coega Gas to Power Project
 Project Description: Environmental Impact Assessment and Air Emission License application for 4500 MW Combined Cycle Gas Turbine Project, including regasification unit.
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: R 800,000

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Key Experience: Environmental assessment: energy

Location: Groot Winterhoek Mountains, Kirkwood, Eastern Cape, South Africa
 Project duration & year: 18 months, 2014 (on going)
 Client: Vulisango Holdings (Pty) Ltd
 Name of Project: Inyanda – Roodeplaats 150 MW Wind Energy Facility
 Project Description: Environmental Assessment for the Inyanda-Roodplaats 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: Molteno, Eastern Cape, South Africa
 Project duration & year: 24 months, 2015 (on going)
 Client: Afri-Coast Energy (Pty) Ltd
 Name of Project: Molteno 840 MW Wind Energy Facility
 Project Description: Environmental Impact Assessment (currently in planning stages)
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: R 5,000,000 (current estimate)

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: mining & industrial

Location: Bas Congo Province, Democratic Republic of Congo
 Project duration & year: May 2013 - August 2013
 Client: Nyumba Ya Akiba sarl
 Name of Project: Nyumba Ya Akiba 3,000 tpd Cement Project
 Project Description: Environmental & Social Impact Assessment
 Job Title and Duties: Client Liaison, Environmental Assessment Practitioner
 Value of Project: ± USD 350,000

Location: Coega Industrial Development Zone, Eastern Cape, South Africa
 Project duration & year: 12 months, 2012/13
 Client: Afrisam (Pty) Ltd
 Name of Project: Coega 3,000 tpd Cementitious Material Grinding & Blending Plant
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Manager, Environmental Assessment Practitioner
 Value of Project: ± R 700,000

Location: Great Dyke (Selous to Ngezi), Zimbabwe
 Project duration & year: 12 months, 2012
 Client: Zimplats
 Name of Project: Phase 3 Expansion: Consolidated Environmental Impact Assessment
 Project Description: Environmental & Social Impact Assessment
 Job Title and Duties: Project Manager
 Value of Project: ± R 2,500,000

Location: Selous Metallurgical Complex, Zimbabwe
 Project duration & year: 3 months, 2012
 Client: Zimplats
 Name of Project: Sulfur Dioxide Abatement Installation at Selous Metallurgical Complex (SMC)
 Project Description: Environmental & Social Impact assessment
 Job Title and Duties: Environmental Assessment Practitioner
 Value of Project: ± R 1,500,000

Location: Coega Industrial Development Zone, Eastern Cape, South Africa

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Key Experience: **Environmental assessment: mining & industrial**

Project duration & year: 18 months, 2006/2007
 Client: Straits Chemicals
 Name of Project: Straits Chemicals Chlor-Alkali Plant EIA
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Manager, Environmental Assessment Practitioner
 Value of Project: ± R 1,000,000

Location: Hankey, Eastern Cape, South Africa
 Project duration & year: 4 months, 2009
 Client: Nkari Mining
 Name of Project: Prospecting EMP
 Project Description: Environmental Management Programme
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 100,000

Location: Paterson, Eastern Cape, South Africa
 Project duration & year: 6 months, 2010
 Client: Vulani Coronation Mining
 Name of Project: Prospecting permit application for silica mine
 Project Description: Environmental Management Plan for Prospecting Right
 Job Title and Duties: Project Director
 Value of Project: ± R 100,000

Key Experience: **Environmental assessment: housing / change in land use**

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 9 months, 2014
 Client: Nelson Mandela Bay Municipality
 Name of Project: Walmer erf 1948 Housing Development
 Project Description: Basic Assessment
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: ± R 150,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 24 months, 2014 (on going)
 Client: Nelson Mandela Bay Municipality
 Name of Project: Walmer erf 11305 Housing Development
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: ± R 1,200,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2009 – 2016
 Client: Nelson Mandela Bay Municipality
 Name of Project: Seaview Low Cost Housing
 Project Description: Environmental Impact Assessment for the development of a Low Cost Housing and associated wastewater treatment works
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: ± R 470,000

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Key Experience: Environmental assessment: housing / change in land use

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 36 months, 2012 – 2015
 Client: Nelson Mandela Bay Municipality
 Name of Project: Jachtlake Integrated Human Settlement EIA
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Environmental Assessment Practitioner, Project Review
 Value of Project: ± R 1 000,000

Location: Motherwell, Eastern Cape, South Africa
 Project duration & year: 36 months (2009 to 2012)
 Client: NuWay Housing
 Name of Project: Coega Ridge Integrated Housing Development
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 1 000,000

Location: Gqebera, Walmer, Eastern Cape, South Africa
 Project duration & year: 12 months, 2010
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Walmer/Gqebera Low Cost Housing EIA
 Project Description: Environmental Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 250,000

Location: Rosedale, Uitenhage, Eastern Cape, South Africa
 Project duration & year: 9 months, 2009
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Rosedale Low Cost Housing EIA
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 200,000

Location: St Albans, Eastern Cape, South Africa
 Project duration & year: 9 months, 2009
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: St Albans Low Cost Housing EIA
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 300,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 12 months, 2006
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: SEA of the Greater Happy Valley area
 Project Description: Strategic Environmental Assessment
 Job Title and Duties: Project Manager
 Value of Project: ± R 150,000

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Principal Environmental Scientist

Key Experience: Environmental assessment: housing / change in land use

Location: St Francis Bay, Eastern Cape, South Africa
 Project duration & year: 9 months 2006
 Client: Watersplash Investments (Pty) Ltd
 Name of Project: Change in Land Use Application for Part 2 of Farm 707, Osbosch 707
 Project Description: Environmental Scoping Study
 Job Title and Duties: Project Manager
 Value of Project: ± R 150,000

Location: Coega Industrial Development Zone, Eastern Cape, South Africa
 Project duration & year: 18 months, 2005/2006
 Client: Coega Development Corporation
 Name of Project: Change in Land use of the Remainder of the Coega IDZ (± 7200 Hectares)
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Manager, Environmental Assessment Practitioner
 Value of Project: ± R 500,000

Location: Motherwell, Eastern Cape, South Africa
 Project duration & year: 6 months, 2005
 Client: Motherwell Urban Renewal Project
 Name of Project: Motherwell Golf Course
 Project Description: Environmental Scoping Study
 Job Title and Duties: Project Manager, Environmental Assessment Practitioner
 Value of Project: ± R 100,000

Location: Uitenhage, Eastern Cape, South Africa
 Project duration & year: 8 months, 2004/2005
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Nelson Mandela Bay Logistics Park Scoping Study
 Project Description: Environmental Scoping Study
 Job Title and Duties: Project Manager, Environmental Assessment Practitioner
 Value of Project: ± R 100,000

Location: St Francis Bay, Eastern Cape, South Africa
 Project duration & year: 9 months, 2003
 Client: Golf Data
 Name of Project: St Francis Golf Links EIA
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Manager, Environmental Assessment Practitioner
 Value of Project: ± R 300,000

Key Experience: Environmental auditing & due diligence

Location: Coega Industrial Development Zone, Eastern Cape, South Africa
 Project duration & year: 6 months, 2012
 Client: Coega Development Corporation
 Name of Project: Environmental Due Diligence study for Zones 12 of the Coega Industrial Development Zone
 Project Description: Phase 1 & 2 Environmental Due Diligence Study
 Job Title and Duties: Project Manager, Environmental Scientist
 Value of Project: ± R 250,000

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Principal Environmental Scientist

Key Experience: Environmental auditing & due diligence

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2 months, 2014
 Client: SAB Miller
 Name of Project: Water Vulnerability Assessment for iBhayi Brewery, Perseverance, Port Elizabeth
 Project Description: Assess vulnerability to changes in quality and availability of water supply
 Job Title and Duties: Environmental Scientist
 Value of Project: ± R 150,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2 months, 2009
 Client: SAB Miller
 Name of Project: Water Vulnerability Assessment for iBhayi Brewery, Perseverance, Port Elizabeth
 Project Description: Assess vulnerability to changes in quality and availability of water supply
 Job Title and Duties: Environmental Scientist
 Value of Project: ± R 100,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2 months, 2009
 Client: Coca Cola Fortune (Pty) Ltd
 Name of Project: Water Vulnerability Assessment for Lakeside Plant, North End, Port Elizabeth
 Project Description: Assess vulnerability to changes in quality and availability of water supply
 Job Title and Duties: Environmental Scientist
 Value of Project: ± R 100,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2 months, 2010
 Client: Environ, on behalf of Evonik
 Name of Project: Project Casablanca – Phase I Environmental Due Diligence of Algorax
 Project Description: Phase 1 Environmental Due Diligence Study
 Job Title and Duties: Environmental Scientist
 Value of Project: ± R 150,000

Location: Coega Industrial Development Zone, Eastern Cape, South Africa
 Project duration & year: 6 months, 2008
 Client: Coega Development Corporation
 Name of Project: Environmental Due Diligence study for Zones 6 & 7 of the Coega Industrial Development Zone
 Project Description: Phase 1 & 2 Environmental Due Diligence Study
 Job Title and Duties: Project Manager, Environmental Scientist
 Value of Project: ± R 250,000

Location: Coega Industrial Development Zone, Eastern Cape, South Africa
 Project duration & year: 6 months, 2004
 Client: Coega Development Corporation
 Name of Project: Environmental Due Diligence study for Zones 1, 2 and 3 of the Coega Industrial Development Zone
 Project Description: Environmental Due Diligence Study
 Job Title and Duties: Project Manager, Environmental Scientist
 Value of Project: ± R 250,000

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Principal Environmental Scientist

Key Experience: Environmental auditing & due diligence

Location: Luanda, Angola
 Project duration & year: 2 months, 2002
 Client: BP
 Name of Project: BP Waste Management Audits
 Project Description: Third party waste contractor audits
 Job Title and Duties: Lead Auditor
 Value of Project: ± R 50,000

Key Experience: Environmental monitoring & remediation

Location: Paramaribo, Suriname
 Project duration & year: 6 months, 2011 / 2012
 Client: Suriname Aluminum Company, LLC
 Name of Project: Geochemical assessment of pit lake water and sediment
 Project Description: Water quality monitoring
 Job Title and Duties: Environmental Scientist
 Value of Project: R 300,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2004 to present
 Client: Nelson Mandela Bay Municipality
 Name of Project: Landfill Monitoring
 Project Description: Monitoring of groundwater, surface water and landfill gas at the Koedoeskloof, Arlington, KwaNobuhle, and iBhayi Landfill Sites
 Job Title and Duties: Environmental Scientist, Project Reviewer
 Value of Project: R 3,500,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 6 months, 2009
 Client: Nelson Mandela Bay Municipality
 Name of Project: North End Lake Water Quality Management Plan
 Project Description: Water Quality Management Plan
 Job Title and Duties: Project Manager, Environmental Scientist
 Value of Project: R 150,000

Location: Struandale, Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 6 months, 2009
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Decommissioning of the NMBM Gas Works
 Project Description: Basic Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 150,000

Location: North End, Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 6 months, 2009
 Client: Transnet Capital Projects
 Name of Project: Decommissioning of Transnet's North End Ash Deposit
 Project Description: Site Contamination Assessment & Basic Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 150,000

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Key Experience: Environmental monitoring & remediation

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2 years, 2005/2007
 Client: Confidential
 Name of Project: Groundwater Contamination Assessment at manufacturing concern
 Project Description: Delineation and monitoring of chlorinated hydrocarbon plume in groundwater
 Job Title and Duties: Project Manager, Environmental Scientist
 Value of Project: ± R 600,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2 years, 2003/2004
 Client: Client confidential
 Name of Project: In-Situ Chemical Oxidation of Chlorinated Hydrocarbon Contamination
 Project Description: In-situ chemical oxidation with potassium permanganate
 Job Title and Duties: Project Manager, Environmental Scientist
 Value of Project: ± R 500,000

Location: Port of Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 3 months, 2003
 Client: Transnet National Port Authority
 Name of Project: Water Quality Monitoring Programme for the Port of Port Elizabeth
 Project Description: Development of a water quality monitoring programme
 Job Title and Duties: Project Manager, Environmental Scientist
 Value of Project: ± R 50,000

Key Experience: Environmental assessment: waste management

Location: Port of Port Elizabeth and Port of Ngqura, Eastern Cape, South Africa
 Project duration & year: 12 months, 2009/2010
 Client: Transnet National Ports Authority
 Name of Project: Waste Management Plans for the Ports of Port Elizabeth and Ngqura
 Project Description: Waste Management Plan
 Job Title and Duties: Project Director
 Value of Project: ± R 500,000

Location: Nelson Mandela Bay Municipality, Eastern Cape, South Africa
 Project duration & year: 24 months, 2008 to 2009
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: NMBM Waste Transfer Sites: Environmental Screening
 Project Description: Environmental Screening / Site selection
 Job Title and Duties: Project Director
 Value of Project: ± R 300,000

Location: Cacadu District Municipality, Eastern Cape, South Africa
 Project duration & year: 2 months, 2008
 Client: Cacadu District Municipality
 Name of Project: Cacadu District Municipality: Integrated Waste Management Plan
 Project Description: Status Quo Assessment of Waste Management Facilities
 Job Title and Duties: Project Manager
 Value of Project: ± R 60,000

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Key Experience: Environmental assessment: waste management

Location: Graaff Reinet, Eastern Cape, South Africa
 Project duration & year: 24 months, 2007 to 2008
 Client: Camdeboo Local Municipality
 Name of Project: Establishment of new landfill site for Graaff Reinet
 Project Description: Environmental Impact Assessment
 Job Title and Duties: Project Director / Environmental Assessment Practitioner
 Value of Project: ± R 250,000

Location: Walmer, Eastern Cape, South Africa
 Project duration & year: 6 months, 2004
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Walmer Qebera Landfill Site: Landfill Gas Risk Assessment
 Project Description: Qualitative Environmental Risk Assessment
 Job Title and Duties: Environmental Assessor
 Value of Project: ± R 100,000

Location: iBhayi, Eastern Cape, South Africa
 Project duration & year: 9 months, 2002
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: iBhayi Landfill Site: Application for Buffer Zone Relaxation
 Project Description: Quantitative Environmental Risk Assessment
 Job Title and Duties: Project Manager
 Value of Project: ± R 150,000

Key Experience: Environmental management systems

Location: Nelson Mandela Metropolitan Municipality, Eastern Cape, South Africa
 Project duration & year: 3 years, 2002 to 2005
 Client: Nelson Mandela Metropolitan Municipality
 Name of Project: Environmental Management System implementation
 Project Description: Environmental Management System (ISO 14001 based)
 Job Title and Duties: Project Manager, Environmental Consultant
 Value of Project: ± R 1,200,000

Location: Cato Ridge, KwaZulu Natal, South Africa
 Project duration & year: 5 months, 2003
 Client: Assmang
 Name of Project: ISO 14001 Implementation
 Project Description: Environmental Management System (ISO 14001 compliant)
 Job Title and Duties: Project Review
 Value of Project: ± R 200,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 9 months, 2002
 Client: Delphi Catalysts
 Name of Project: 14001 implementation
 Project Description: Environmental Management System (ISO 14001 certified)
 Job Title and Duties: Environmental Consultant
 Value of Project: ± R 150,000

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Key Experience: Environmental management systems

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 4 months, 2000
 Client: PPC
 Name of Project: PPC Grassridge Quarry: ISO 14001 implementation
 Project Description: Environmental Management System (ISO 14001 certified)
 Job Title and Duties: Technical advisor
 Value of Project: ± R 50,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 4 months, 1999
 Client: CSIR, Division of Textile Technology
 Name of Project: ISO 14001 implementation
 Project Description: Environmental Management System (ISO 14001 certified)
 Job Title and Duties: Technical advisor
 Value of Project: ± R 50,000

Location: Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 9 months, 1998/1999
 Client: Duracell Eveready
 Name of Project: Duracell Eveready: ISO 14001 implementation
 Project Description: Environmental Management System (ISO 14001 certified)
 Job Title and Duties: Environmental Consultant
 Value of Project: ± R 150,000

Key Experience: External Review

Location: Graaff-Reinet, Eastern Cape
 Project duration & year: 4 months, 2015
 Client: Richardt van Rensburg Inc
 Name of Project: Irharfu Minerals, erf 1814, Graaff-Reinet
 Project Description: Review of the Draft EIA & EMP for the mining of hard rock aggregate on erf 1814, Graaff-Reinet, adjacent to the Camdeboo National Park
 Job Title and Duties: External reviewer
 Value of Project: ± R 200,000

Location: Port Elizabeth, Eastern Cape
 Project duration & year: 1 Month, 2015
 Client: Nelson Mandela Bay Municipality
 Name of Project: Kabega Road low level bridge review
 Project Description: Review of the environmental assessment and EMP for repair works to the Kabega Road low level bridge
 Job Title and Duties: External reviewer
 Value of Project: ± R 20,000

Location: Port Elizabeth, Eastern Cape
 Project duration & year: 2 months, 2014
 Client: Chlor Alkali Holdings
 Name of Project: Cerebos Closure Liability Assessment
 Project Description: External review of mine closure costs for Cerebos' Coega River, Sundays River, Swartkops River, and Berg River salt pans.
 Job Title and Duties: External reviewer
 Value of Project: R 200,000