

CURRICULUM VITAE

Name : **Philip Eric ROSENTHAL**
Nationality : South African
Date of birth : 17 February 1971
Profession : Environmental Assessment Practitioner & Civil Engineer
Qualifications : MPhil (Env. Sci), BSc Eng (Civil).
Specialisation : Environmental engineering, impact assessments, public consultation, pre-feasibility, waste management, environmental monitoring, civil engineering, research and documentation.
Tel : 021-685 4500; Cell 082 6768966; Fax 0866164452
Web : mail@PhilipRosenthal.com ; www.RosenthalEnvironmental.co.za
Post : Postnet 114, P/Bag X18, Rondebosch, 7701

Key experience

An environmental engineer, Philip Rosenthal has experience in Environmental Impact Assessment, environmental monitoring, civil engineering, waste management and heritage applications.

Key experience includes:

- **Environmental Impact Assessment (EIA)** processes for freeway extension; port authority facilities; Scoping process for a road dualling, regional waste site, an intersection upgrading, a pedestrian bridge, housing development, two botanical garden tearooms, three gravel borrow pits and a road realignment. **Basic Assessment** applications for road dualling and intersection upgrades, Solar PV, fuel service station. **Pre-feasibility** for multiple renewable energy projects.
 - **Integrated Environmental Management:** land use planning and opportunities and constraints study and **environmental monitoring** on sensitive environment road upgrade and another intersection upgrade.
 - **Heritage Notification of Intent to Develop (NID)** for pedestrian bridge and a road dualling.
 - **Waste Management:** waste characterisation, recycling and composting feasibility investigation; solid sulphur processing and disposal for Oil Refinery; sewage sludge disposal investigation.
 - **Civil Engineering** site supervision for the river widening and for waste water treatment works upgrading; investigation of underground services for road dualling.
 - Member of **Planning Advisory Board** advising provincial government on Town Planning applications.
 - **Research & documentation:** research reports, technical papers, articles and submissions.
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Qualifications & Professional Membership

Batchelor of Science in Civil Engineering, University of Cape Town, 1992
Masters Degree in Environmental Science, University of Cape Town, 1994
Certified Environmental Assessment Practitioner, Environmental Assessment Practitioners of South Africa (EAPSA)
Graduate Member, South African Institution of Civil Engineers (SAICE)
Member, International Association for Impact Assessment (IAIA)
Member, Association of Architects, Planners, Engineers and Surveyors (APES)

Career Summary

2013	Fuel Service Stations with Sillito Environmental Consulting
2010-13	Member of Planning Advisory Board advising Western Cape Provincial Minister of Environment and Planning on Town Planning applications.
2011-13	Basic Assessment processes on Solar PV projects for Mulilo Renewable Energy
2012	Pre-feasibility Studies on Solar PV sites for EEPro Renewable Energy
2011	Pre-feasibility Studies on Wind and Solar projects for Electro-Green Power
2011	Pre-feasibility and application preparation on Renewable Energy projects for Unitech Energy
2009-11	Scoping Report for Regional Waste Site for West Coast District Municipality (with Anel Blynaut Environmental Consultants).
2007-10	Basic Assessment applications & Heritage Notification of Intent to Develop for dualling TR27 into Hermanus & upgrading of Onrus and Vermont Intersections.
2008	Pre-proposal investigation for YMCA Conference Centre expansion, Constantia
2008	Environmental Management Plan for Realignment of road near Riebeeck West.
2007	Applications for West Coast road re-gravelling incl. borrow pits in Koringberg, Riebeeck West, Riebeeck Kasteel and for realignment of road near Riebeeck West.
2006	Scoping application: Belhar R300 pedestrian bridge (incl. Heritage notification).
2004-5	Scoping applications for Tea Rooms at Karoo Desert and Harold Porter National Botanical Gardens for South African National Biodiversity Institute (SANBI).
2005	Environmental Monitoring for Hemel-en-Aarde Intersection Upgrading and Diesel tank permit application, near Hermanus.
2004-5	Environmental Scoping study for Groot Drakenstein Rural Settlement (with Arcus Gibb for Boland District Municipality).
2004	Environmental Scoping study for Hemel-en-Aarde Intersection Upgrading near Hermanus (for Provincial Road Infrastructure Branch and Jeffares & Green).
2003	Environmental Impact Assessment for new facilities for the National Port Authority, Saldanha (with Mastakimu Environmental Management).
2002	Investigation of options for disposal of sewage sludge for Johannesburg Northern Treatment Works as sub-consultant to Jeffares & Green.
2002	Scoping report for rezoning application to service industrial land in Kommetjie area (with Ecosense).
2001/2002	Engineers Representative on construction site for Stewart Scott Inc. Monitoring widening of section of the Lourens River in Somerset West.
2001	Finalisation of Engineering Conceptual Planning Report for Cape Flats Freeway Extension (Philippi link) for Jeffares & Green Inc.
2000/2001	Environmental Impact Assessment on the processing and disposal of solid sulphur from Caltex Oil refinery, Cape Town (with CCA Environmental).
2000/2001	Supplementary Environmental Report, process management and response to authorities comments for the Cape Flats Freeway Extension (Philippi link)
2000	Resolved outstanding public participation problems on Prince George Drive
1999	Began practicing as independent environmental engineering consultant.
1995-1999	Environmental Engineer with Jeffares & Green Inc
1998	Public participation, consideration of alternatives & report production for intersection (part of Dualling of Prince George Drive). Marketing: co-ordination of submissions & advertising for SAICE & SAACE

environmental project awards.

Environmental Opportunities & Constraints Study for proposed Multi-Purpose Community Facility for His People Ministries on land near the Black River.

- 1997/98** Environmental Impact Report and IEM co-ordination for on the Cape Flats Freeway Extension (Philippi link) incl. co-ordination of five specialist studies.
- 1997** Assistance with design of stormwater reticulation and environmental mitigation for the upgrading of Prince George Drive.
- 1996/7** Preparation of research report on composting pilot plant for Ceres Municipality. Environmental monitoring on TR27 and MR27 between Rooi Els and Strand. Project later received the 1998 SAACE and 1999 EPPIC environmental awards as well as the 1999 SAICE Western Cape Branch technical award. Environmental Scoping process for the upgrading of Prince George Drive.
- 1996** Engineers Representative with Jeffares & Green Inc. supervising a composting pilot plant and modifications to Waste Water Treatment Works for Ceres Municipality.
- 1995** Junior Engineer with Jeffares & Green Inc. Involved in cost and quantity estimation and design of wastewater treatment works. Research into environmentally acceptable solid waste disposal options for Ceres Municipality. Also assisting in preparation of services report for road upgrading. Environmental report on a proposal for a shared Olympic/Church facility on a piece of environmentally sensitive land for His People Ministries.

Technical Publications

Rosenthal, P.E. 1998. Environment and the community come out tops in road upgrade. Civil Engineering, March 1998.

Rosenthal, P.E., Davies, T. and van der Meulen, R. 1997. *Ceres Transitional Authority Composting Pilot Study*. Technical report submitted to Ceres Transitional Authority.

Rosenthal, P.E. and Anderson, M. 1997. Environmental Monitoring on a Labour Intensive Construction Project. *IMIESA*. March 1997.

Rosenthal, P.E. 1994. *Environmental Factors Relevant to Land Use Decision Making in the Liesbeeck and Black River Confluence Area*. MPhil dissertation, University of Cape Town.

Rosenthal, P.E. 1988. Pascal's Triangle Extended. *UCT Mathematical Digest*, No 72, pp8-10.

Language Capability

	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Afrikaans	Fair	Fair	Fair

Signature

Date 17 September, 2013
