

APPENDIX D

Curricula Vitae of peer reviewers

CURRICULA VITAE OF PEER REVIEWERS

1. VEGETATION AND FLORA

Peer Review Specialist: Mr Rob Scott-Shaw (B.Sc., B.Sc. (Hons), M.Sc., HDE)

Mr Scott-Shaw is currently a Principal Nature Conservation Scientist with KZN Wildlife (1988 to present) and he is also curator of the Killick Herbarium in Pietermaritzburg. He specialises in the following areas: forest ecology; grassland ecology; protected area management plans; vegetation mapping and description; plant systematics (Euphorbiaceae); range management guidelines; rare and threatened plant Red-Listing and conservation recovery plans; provincial and municipal systematic conservation planning; EIAs and ecosystem health research and monitoring. He is the author of the book *Rare and Threatened Plants*, has co-authored papers in journals and has co-authored chapters and sections in the book *The Vegetation of South Africa, Lesotho and Swaziland*. Mr Scott-Shaw has also presented numerous papers and posters at national conferences.

2. FAUNA

Peer Review Specialist: Prof P le Fras N. Mouton (Ph.D.)

Prof Mouton is presently an Associate Professor in the Department of Botany and Zoology at the University of Stellenbosch. He is an authority on reptiles and amphibians and has published more than 80 scientific papers in peer-reviewed journals, mainly on lizard ecology. He is currently the associated editor of *African Zoology* and serves on the editorial board of *African Journal of Herpetology* and on the steering committee of the South African Reptile Conservation Analysis (SARCA). Since 1997, he has also been a member of a panel of experts for the South African Broadcasting Corporation (SABC) radio programme *Hoe verklaar jy dit?* To date he has supervised 35 Honours projects, 23 M.Sc. and six Ph.D. studies. He has been involved in numerous environmental assessments and has also undertaken several contracts for CapeNature.

3. AQUATIC ECOSYSTEMS

Peer Review Specialist: Dr William R. Harding Pri.Sci.Nat. (Ph.D.)

Dr Harding is a professional limnologist and certified lake manager with 30 years of experience in aquatic biology, water chemistry, microbiology and algal toxicology. He holds tertiary qualifications in chemistry, microbiology and freshwater biology and specialises in assessments of anthropogenic (developmental) impacts on aquatic ecosystems. He has been centrally involved with the development and refinement of a variety of tools and methods for undertaking assessments of surface waters in South Africa. Dr Harding is an internationally-recognised expert in the field of aquatic sciences and has authored more than 250 consultancy reports.

4. SOILS, LAND USE AND AGRICULTURE

Peer Review Specialist: Dr Eben Verster Pri.Sci.Nat. (B.Sc., M.Sc., D.Sc.)

Dr Verster is presently co-director of Pedoplan International Consultants, a company established in 1978 to provide consultancy services related to soil and land use surveys for agriculture, forestry and environmental planning. These services have been conducted in South Africa, Botswana, Swaziland, Namibia, Malawi, Mozambique and Zambia. He was employed as a pedologist from 1960 to 1978 in the Department of Agriculture (Soil and Irrigation Research Institute). During this time he attained both his M.Sc. and D.Sc. and was co-initiator of the land type survey of South Africa. From 1978 to 1996 he was employed as professor in the Department of Geography at the University of South Africa (UNISA), responsible for the teaching of soil geography, hydrogeography and geomorphology. Several students attained their M.Sc. and D.Sc. degrees through his leadership.

Dr Verster is presently an emeritus professor. He was the recipient of the Ernst Oppenheimer Memorial Trust bursary for research in Australia during 1982 and he was also co-recipient of the gold medal for an outstanding publication in soil classification from the Soil Science Society of South Africa in 1987. He is author and co-author of approximately 40 scientific papers, chapters in books and published maps and has attended numerous national and international conferences and workshops, with active involvement in the form of oral or poster presentations. Since 2000 Dr Verster has authored and co-authored 85 consultants reports relating to EIAs with specific reference to the soil-landform resource.

5. SOCIAL

Peer Review Specialist: Mr Tony Barbour (B.Sc., B.Econ. (Hons), M.Sc.)

Mr Barbour is an independent environmental consultant. His experience includes working as an environmental consultant in the private sector for ten years, followed by four and a half years at the Environmental Evaluation Unit (EEU), based at the University of Cape Town (UCT). Mr Barbour studied at Rhodes University where he graduated with a B.Sc. in 1984 and a B. Econ. (Hons) in 1985. This was followed by a M.Sc. in Environmental Science from UCT in 1992.

In 1991 Mr Barbour joined Ninham Shand as an environmental consultant before moving to SRK Consulting in 1995, where he became an Associate Director and headed up the Environmental Section of SRK's Cape Town office. In 2000 Mr Barbour moved to the EEU, where he worked as a senior researcher and also lectured. In 2003 he left UCT and now works as an independent consultant, with a focus on Social Impact Assessment (SIA). During his tenure at the EEU Mr Barbour developed SIA Guidelines for DWAF. He is also the author of the SIA Guidelines for specialist studies for EIAs, commissioned by DEA&DP in the Western Cape Province. Mr Barbour has undertaken approximately 30 SIAs for projects in South Africa and other parts of Africa, including Ghana, Namibia, Botswana and Mauritius. He is also the chair of the Board of Trustees for the Environmental Monitoring Group, an Environmental Non-Government Organisation based in Cape Town.

6. TOURISM

Peer Review Specialist: Ms Heidi Keyser (B.A., M. Town and Regional Planning, PGD Monitoring and Evaluation)

Ms Keyser is a tourism strategist focusing on tourism development and marketing for local areas, regions and provinces. A qualified town and regional planner, Ms Keyser has worked on all aspects of destination development and marketing, including destination tourism sector strategy, market assessment and marketing, product development, spatial planning, institutional development and training and skills development. She began her career in tourism in 1992 as a tourism development officer with the former South African Tourism. From 1994 to 1998 she lectured, first as lecturer and later as senior lecturer, in Tourism Development at the School of Management of the then Cape Technikon. She then joined KPMG's Hospitality, Leisure and Tourism division, heading up the Cape Town regional office from 1999 to 2005.

Ms Keyser is presently the managing director of EDGE Tourism Solutions (Pty) Ltd. She has undertaken projects in the Western Cape, the Northern Cape, the Eastern Cape, KwaZulu-Natal, Gauteng, Swaziland, Botswana, Lesotho, Mozambique, Seychelles, Nigeria, Gabon, Cameroon, Russia and India. Ms Keyser published the first South African textbook on tourism development with Oxford University Press in 2002. The second edition is in press and due for release towards the end of 2008. She has authored two chapters on new tourism ventures that will be published under Juta in 2008. She has attended numerous national and international conferences and workshops, with active involvement in the form of oral presentations. Ms Keyser has served on the board of directors of the then Captour and is currently a member of Cape Town Routes Unlimited (CTRU) tourism development advisory committee. She has authored 16 consultant reports related to IEM, with specific reference to tourism or socio-economic studies.

7. CULTURAL AND HISTORICAL HERITAGE

Peer Review Specialist: Prof Hilary J. Deacon (B.Sc., B.A. (Hons), M.A., Ph.D.)

Prof Deacon is a consulting archaeologist. He is an authority on African archaeology and has written over 100 scientific publications and two books on Palaeolithic archaeology. His research interests are the Out-of-Africa hypothesis and modern human origins. He has considerable overseas experience having taught at the University of Chicago and the University of California, Berkeley. He has also been a Visiting Fellow at the Australian National University and has given lectures at a number of institutions in the United Kingdom, Israel, Sweden, United States of America and Australia. As a cultural resource manager, Prof Deacon has undertaken numerous consulting contracts for architectural and engineering firms in South Africa.

8. NOISE

Peer Review Specialist: Mr Francois le R Malherbe Pr.Eng. (B.Sc. Eng., M.Eng.)

Mr Malherbe is a qualified engineer and is registered with ECSA. He has a Masters Degree in Electronic Engineering from the University of Pretoria. He worked with the Laboratory for Vibration and Acoustics of the South African Bureau of Standards from 1986 to 1999, where he gained extensive experience in standard and specialised acoustic measurement techniques, the calculation and prediction of noise emissions from road, rail and air traffic operations as well as industrial noise sources. He has been involved in a large number of projects related to environmental noise investigations and noise control. In 1999 he started his own consultancy firm, which specialises in environmental noise studies and industrial noise control. Since then he has served as noise specialist on the environmental teams of many professional consulting firms on a large number of projects in South Africa and abroad.

9. AIR QUALITY

Peer Review Specialist: Dr Lucian Burger (B.Sc., M.Sc., Ph.D.)

Dr Burger is currently the Managing Director of Airshed Planning Professionals (Pty) Ltd and serves as a director of Riscom (Pty) Ltd. He completed his bachelor's degree (cum laude) in chemical engineering at the University of Natal in 1982. His air pollution experience started in 1983 with the development and implementation of a real-time atmospheric dispersion model for processing industries (as partial fulfilment of his M.Sc.Eng. degree). A more complex dispersion model was subsequently developed in 1986, which contributed towards his Ph.D. and later formed part of an international contract on the evaluation and validation of transport models as applied to the Chernobyl accident of April 1986 (International Atomic Energy Agency). Since then, numerous atmospheric dispersion studies have been completed locally and internationally, ranging from EIAs, risk and hazard assessments, meteorological studies and process designs, to the development of toxic gas evacuation response systems and other related software.

His role in Airshed Planning Professionals includes both management and technical consultation. Technical disciplines cover all aspects of air pollution impact assessment, management services and policy support to assist clients in addressing a wide variety of air pollution related risks and air quality management challenges. His role within Riscom is mainly that of risk specialist and he deals specifically with quantitative process risk assessments (as required for the completion of Major Hazard Installation applications) and incident investigations.

10. VISUAL

Peer Review Specialist: Mr Jon Marshall MLI (Dip LA)

Mr Marshall is a qualified landscape architect (Diploma in Landscape Architecture) and member of the Landscape Institute (UK). He has 29 years experience since passing his part IV professional examination. He has been involved with EIAs and specifically Visual Impact Assessments since 1981. During the early 1990s, he developed the skills necessary to undertake computer-aided design (CAD) modeling to assist in the generation of visibility mapping and to illustrate the visual impact of development. He used these skills for major clients that included supermarket developers as well as the UK Department of Transport.

Mr Marshall has combined the use of CAD and Geographic Information System (GIS) techniques to prepare and illustrate Visual Impact Assessment statements. He has also adapted method guidelines developed and used in other parts of the world for use in South Africa. He has successfully completed more than 80 EIA projects and he has provided specialist input to numerous EIAs in the field of Visual Impact Assessment related to mining, industry, road, housing and airport development.

11. TRAFFIC

Peer Review Specialist: Mr Brian H. Spottiswoode Pr.Eng. FSAICE (B.Sc., B.Eng.)

Mr Spottiswoode is an independent consulting civil engineer with over 46 years of experience mostly related to planning, design and construction of roads and dams. His formal education was mainly at the Diocesan College in Rondebosch and at the University of Stellenbosch. He has lived and worked in Scotland, London (UK), British Columbia (Canada), Cape Town, East London, Oudtshoorn, Vryheid and Ermelo. Since 1975, he has been based in Johannesburg, but has been working on projects involving roads in all provinces in South Africa, as well as Botswana, Lesotho, Namibia and Swaziland.

During the 1980s, as consulting engineers Keeve Steyn's roads director consulting to Tolcon, he was in charge of all technical aspects, both transportation and civil, related to the initial planning, detailed design and construction of the N3 and N1 toll road projects, as well as participating in the negotiations of a concession agreement with the Department of Transport. As an independent consultant since his retirement from Keeve Steyn (now Goba) in 1999, he has acted on technical review panels for a number of major water storage and conveyance projects and has been particularly active in the resolution of disputes, mainly related to road construction projects, in both southern and East Africa. He has had a major input on several projects that have won national and international awards and he is a past joint winner of the Basil Read Award for Outstanding Construction Achievement. He is the author of several technical publications.

12. PLANNING/DEVELOPMENT

Peer Review Specialist: Mr Antony Meuleman SACPLAN (B.A., M. Town and Regional Planning)

Mr Meuleman is a consulting town and regional planner and a senior partner with SETPLAN, a town planning consultancy with six offices across South Africa. He also holds a directorship on the Board of the UMHLABA Consulting Group (Pty) Ltd, a BEE enterprise based in East London, which was formed in 2003. He has been consulting in the field of socio-spatial planning in the private sector since 1988, when he joined Schneider & Dreyer in Johannesburg, where he gained good foundation experience in statutory planning and township planning. In 1990, Mr Meuleman moved to East London where he worked for SETPLAN East London until mid-1991, primarily in the field of forward planning (strategic urban development). In late 1992, he worked for six months for the Department of Environment in the United Kingdom before returning in mid-1993 to take up a partnership offer with SETPLAN East London. He has over 18 years experience working as a town and regional planner in South Africa. He specialises in integrated development planning, forward planning (Spatial Development Frameworks) and policy formulation and strategic planning for land reform.

13. ECONOMIC

Peer Review Specialist: Prof Anton Brits (NTC V, B.Com., B.Com. (Hons), M.Com., D.Com.)

Prof Brits has led the Department of Transport Economics, Logistics and Tourism at UNISA as the Head of Department since 2000. He obtained his B.Com., B.Com. (Hons) (Cum Laude), M.Com. and D.Com., with Transport Economics as a major, between 1982 and 1993. He was awarded UNISA merit bursaries and bursaries from the Institute for Research Development for these studies. Prof Brits began his career in 1966 with the South African Transport Service (SATS), which is now known as Transnet. He trained as an electrical technician and worked inter alia in the Electrical Test and Research Laboratories of SATS. Between 1973 and 1986 he was involved with the quality control of railway rolling stock, manufactured by private industry for SATS. He began his academic career with UNISA in 1987 as a lecturer in transport economics. Here various under- and post graduate courses were taught, study material was developed and a number of research articles were published. He currently supervises masters and doctoral students, which necessitates continuous subject research. Tasks that he performs, inter alia, are the reviewing of research publications, external examination for other universities, community services and the management of the Department of Transport Economics, Logistics and Tourism.