

12 REFERENCES

- Africon. 2001. ESKOM Pebble Bed Modular Reactor Report – Geohydrology. Report No.: 50786/G/G1/2001. Africon
- Airshed. 2010. Environmental Impact Assessment for the Proposed Nuclear Power Station ('Nuclear-1') and Associated Infrastructure: Air Quality Impact and Climatology Assessment Study. Airshed Planning Professionals (Pty) Ltd. Johannesburg
- Andreoli, M.A.G., Norma, N.G., van der Vlugt, R., von Veh, M., Andersen, N.J.B.M Hambleton-Jones, B.B. 1989. Geology of the coastal strip between Gansbaai and Waenhuiskrans Volume 1: Geological description of the project area Eskom Southern Cape Project. Investigation for the siting of nuclear power stations. Progress Report no.: 10 PIN: 1133 GEA 845 and Volume 2: Borehole logs and detailed geological maps of the sites investigated. Eskom Southern Cape Project Investigations for the siting of the nuclear power stations. Progress report No.: 10 PIN 1133 GEA 845
- Aquisim Consulting. 2008. Environmental Impact Assessment for a 400 MW(t) Pebble Bed Modular Reactor Demonstration Power Plant. Specialist Study: Radioactive Waste Management. Unpublished report for Arcus GIBB. 99p.
- Arcus GIBB. 2009. Environmental Impact Assessment for the Proposed Nuclear Power Station ('Nuclear-1') and Associated Infrastructure: Estimating the 1:100 Year Flood Line from the Sea. Arcus GIBB (Pty) Ltd. Sunninghill
- Atomic Energy Corporation. 1987. Geological map of the coastal strip between Tsitsikamma River mouth and Cape St. Francis. Scale 1:50 000. Eskom eastern Cape Project. Division of Earth and Environmental Technology. Department of Nuclear Technology
- Atomic Energy Corporation. 1989. Geology of the Coastal Strip between Gansbaai and Waenhuiskrans – Eskom Southern Cape Project. Investigations for the Siting of Nuclear Power Stations – Progress Report No. 10
- Avery, G. 1974. Open station shell midden sites and associated features from the Pearly Beach area, south-western Cape. South African Archaeology Bulletin 30: 103-105
- Avery, G. 1975. A discussion on the age and use of tidal fish-traps (viswywers). South African Archaeological Bulletin 30: 105-113.
- Avery, G., Cruz-Urbe, K., Goldberg, P., Grine, F.E., Klein, R.G., Lenardi, M.J., Marean, C.W., Rink, W.J., Schwarcz, H.P., Thackeray, A.I. and Wilson, M.L. 1997. The 1992-1993 Excavations at the Die Kelders Middle and Later Stone Age cave site, South Africa. South African Archaeological Bulletin 24: 263-291.
- Awad, A. A., Griffiths, C.L., Turpie, J.K. 2002. Distribution of South African benthic invertebrates applied to the selection of priority conservation areas. Diversity and Distributions 8: 129-145
- Areva & Electricité de France. 2007. Fundamental Safety Overview of the UK-EPR Plant. Volume 3: Environmental Impact. Chapter B – Concept design in relation to the environment. Areva & Electricité de France.
- Ball, J. 2006. Approaches towards a critical evaluation and update of the Red List of South African butterflies. MSc thesis. University of Stellenbosch.
- Barker, J. (1988) Eskom Nuclear Site Investigation. Southern Cape region: Gansbaai to Agulhas. Supplementary Report. Environmental Evaluation Unit, University of Cape Town.
- Beyleveltdt, M. 2010. Personal communication with NECSA manager responsible for the management of the Vaalputs nuclear waste disposal site. 23 February 2010.

- Binneman, J. 2001. An introduction to the Later Stone Age Research Project along the south-eastern Cape coast. *Southern African Field Archaeology* 10: 75-87.
- Bonilla, M.G., Lienkaemper, J.J. 1991. Factors affecting the recognition of faults in exploratory trenches. *United States Geological Survey Bulletin* 1947 :1-54
- Brandt, D., Andreoli, M.A.G., McCarthy, T.S. 2005. The late Mesozoic palaeosoils and Cenozoic fluvial deposits at Vaalputs, Namaqualand, South Africa: Possible depositional mechanisms and their bearing on the evolution of the continental margin. *South Africa Journal of Geology* 108: 271-264
- Bulman, A. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Traffic study for Inception Report. Arcus Gibb (Pty) Ltd. Rivonia
- Burger, L. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Air Quality Assessment for Inception Report. Johannesburg
- Callan, E. McC. 1964. Ecology of sand dunes with special reference to the insect communities. In "Davis, D H S, De Meillon, B and Harington, J S (eds). *Ecological studies in southern Africa*. The Hague: Junk
- Cowling, R. M. 1983. A syntaxonomic and synecological study in the Humansdorp region of the Fynbos Biome. *Bothalia* 15 (1 and 2): 175 – 227
- Cowling, R. M. 1983. Diversity relations in Cape shrublands and other vegetation in the southeastern Cape, South Africa
- Cowling, R. M., Pressey, R. L., Lombard, A. T., Heijnis, C. E., Richardson, D. M. Cole, N. 1999. Framework for a conservation plan for the Cape Floristic Region, South Africa. IPC Report 9902, prepared for WWF-SA. Institute for Plant Conservation, University of Cape Town
- Cowling, R. M., Pressey, R. L., Lombard, A. T., Heijnis, C. E., Richardson, D. M., Cole, N. 1999. Framework for a conservation plan for the Cape Floristic Region, South Africa. IPC Report 9902, prepared for WWF-SA. Institute for Plant Conservation, University of Cape Town
- Cowling, R. M., Lombard, A. T., Rouget, M., Kerley, G. I. H., Wolf, T., Sims-Castley, R., Knight, A., Vlok, J. H. J., Pierce, S. M., Boshoff, A. F. and Wilson, S. L. 2003. A conservation assessment for the Subtropical Thicket Biome. Terrestrial Ecology Research Unit, Department of Botany, University of Port Elizabeth, Port Elizabeth
- Cole, N. S., Lombard, R. M., Cowling, R. M., Euston-Brown, D., Richardson, D. M. Heijnis, C. E. 2000. Framework for a conservation plan for the Agulhas Plain, Cape Floristic Region, South Africa. Institute for Plant Conservation, University of Cape Town. Cape Town
- Colville, J. unpublished data on Monkey beetle (Hopliini) distribution in South Africa.
- Cook, P. A., 1989. Koeberg Nuclear Power Station. Marine Environmental Monitoring Programme. Final Report
- Council for Geoscience (CGS). 2007a. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Geology and Seismicity studies for Inception Report. Pretoria
- Council for Geoscience (CGS). 2007b. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Geotechnical characteristics for Inception Report. Pretoria

- Council for Geoscience (CGS). 2011. Environmental Impact Assessment for the proposed Nuclear Power Station ("Nuclear-1") and Associated Infrastructure. Seismic Hazard Environmental Impact Report. Unpublished report for Arcus GIBB..
- Daines, A., Low, B. 1993. Cape Metropolitan Area: West Coast environmental survey. Cape Metropolitan Council, Cape Town
- Dames and Moore. 1977. First interim report on monitoring of ground water chemistry during construction – Koeberg Nuclear Power Station. ESKOM
- Dames and Moore. 1977d. Third interim report on monitoring of ground water chemistry during construction – Koeberg Nuclear Power Station. ESKOM
- Dames and Moore. 1978a. Fourth interim report on monitoring of ground water chemistry during construction – Koeberg Nuclear Power Station. ESKOM
- Dames and Moore. 1976. Geologic Report Koeberg Power Station, Cape Province, South Africa. Report prepared for the Electricity Supply Commission. Job No.: 9629-014-45
- Day, E. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Wetland Ecosystems study for Inception Report. The Freshwater Consulting Group. Cape Town
- Day, E. 2005. Overstrand Municipality proposed Wastewater Treatment Works, Pearly Beach. Assessment of impacts to the Klein Hagelkraal River as a result of discharging treated effluent from the proposed Pearly Beach WWTW. Report for SRK Consulting. Cape Town
- Day, E., Ewart-Smith, J. 2005. Environmental Impact Assessment of the proposed upgrade of the Wesfleur Wastewater Treatment Works. Specialist study: freshwater ecosystems. EIA report to CCA Environmental for the City of Cape Town. Cape Town
- Deacon, H.J. 1995. Two Late Pleistocene-Holocene archaeological depositories from the southern Cape, South Africa. South African Archaeological Bulletin 50: 121-131.
- De Beer, C. H. 2001. Summary of the subsurface geology at the Brazil, Schulpfontein, Koeberg, Bantamsklip and Thyspunt sites. CGS Report. No. 2001-0244. Pretoria
- De Beer, C.H. 2004. Investigation into evidence for neotectonic deformation within on land Neogene to Quaternary deposits between Alexander Bay and Port Elizabeth. Desk study report. CGS Report No. 2004-0226. ESKOM NSIP-SHA-014382#P1-187. Pretoria
- De Beer, C. H. 2005. Investigation into evidence for neotectonic deformation within onland Neogene to Quaternary deposits between Alexander Bay and Port Elizabeth South Coast Report. CGS 2005-0180. NSIP-SHA-016311#P1-197
- De Beer, C.H. 2006a. Investigation into evidence for neotectonic deformation within onland Neogene to Quaternary deposits between Alexander Bay and Port Elizabeth West Coast Report. CGS 2006-0287. NSIP-SHA-017388#P1-196
- De Beer, C. H. 2006b. Investigation into evidence for neotectonic deformation within onland Neogene to Quaternary deposits between Alexander Bay and Port Elizabeth – Executive summary report. CGS 2006-0065. NSIP-SHA-017800#P1-209
- Department of Energy. 2010a. D1: Demand (Energy & Maximum Demand) Forecast - IRP 2010 Input Parameter. Department of Energy, Pretoria
- Department of Energy. 2010b. D 6,7,8: Demand Side Management - IRP 2010 Input Parameters. Department of Energy, Pretoria

- Department of Energy. 2010c. Integrated Resource Plan for Electricity 2010-2030. Department of Energy, Pretoria
- Department of Environmental Affairs. 2012. Draft Guidelines on Need and Desirability in terms of the Environmental Impact Assessment (EIA) Regulations, 2010. Companion to the EIA Regulations 2010. Integrated Environmental Management Guideline Series 9. Department of Environment Affairs, Pretoria.
- Department of Environmental Affairs and Tourism (DEAT). 2002. Impact Significance, Integrated Environmental Management, Information Series 5. Department of Environmental Affairs and Tourism (DEAT), Pretoria.
- Department of Environmental Affairs and Tourism (DEAT). 2005. Guideline 3: General Guide to the EIA Regulations, 2005, Integrated Environmental Management Guideline Series. DEAT. Pretoria
- Department of Minerals and Energy. 2005. Understanding Radioactivity and Radiation in Everyday Life. Department of Minerals and Energy. Pretoria
- Department of Trade and Industry (United Kingdom). 2000. Fluidised Bed Combustion Systems for Power Generation and Other Industrial Applications. Technology Status Report 011. London
- Department of Water Affairs and Forestry. 2004. National Water Resources Strategy. Pretoria
- Department of Water Affairs and Forestry. 2005. Groundwater Resource Assessment Phase 2. Reports 2C and 3E. Pretoria
- De Villiers, A. 1989. Amphibians. Components of the Terrestrial Environment. Eskom Nuclear Site Specific Investigations: 1988/1989. Southern Cape. Supplementary Report. Volume 1.
- Dippenaar, A. J. B. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Socio-economic study for Inception Report. Octagonal. Cape Town
- Dones, R, Heck, T & Hirschberg, S. Greenhouse Gas Emissions from Energy Systems: Comparison and Review. In Paul Scherrer Institut 2003 Annual Report. Paul Scherrer Institut: Villigen, Switzerland
- Draft Memorandum for Co-operative Agreement. 2003. Draft Memorandum for Co-Operative Agreement in Respect of the Monitoring and Control of Radioactive Material or Exposure to Ionizing Radiation. Government Gazette No. 31232 on 18 July 2008.
- Driver, A, Desmet, P, Rouget, M, Cowling, R., Maze, K. 2003. Succulent Karoo Ecosystem Plan: biodiversity component. Technical Report. Cape Conservation Unit, Report No CCU 1/03, Botanical Society of South Africa, Claremont
- Du Toit, S. R. 1976. Mesozoic geology of the Agulhas Bank, South Africa. Ph.D. Thesis. Faculty of Science. University of Cape Town. South Africa
- Du Plessis, A. 1996. Seismicity in South Africa and its relationship to the geology of the region. Council for Geoscience. Report 1996-0019. Pretoria
- EPRI. 2010. Power Generation Technology Data for Integrated Resource Plan of South Africa. EPRI, Palo Alto, California. 23p.
- Eskom. 1993. Nuclear Siting Investigation Programme (NSIP) southern Cape summary Report. Eskom Generation Revision 1. Ref WC 011538 # P1-48. October 1993

- Eskom. 1994a. Nuclear Siting Investigation Programme (NSIP). Eastern Cape Summary Report. Revision 1. Eskom
- Eskom. 1994b. Nuclear Siting Investigation Programme (NSIP): Southern Cape Summary Report. Eskom
- Eskom. 1994c. Nuclear Siting Investigation Programme (NSIP): West Coast Summary Report. Eskom
- Eskom. 2007a. 20 Gigawatt Nuclear Study: Transmission Grid Impact Draft Report. Eskom
- Eskom. 2007b. Personal Communication
- Eskom. 2008. Nuclear-1. Comparison between Thyspunt, Bantamsklip and Koeberg sites. GP Report-08/61 Public Version.
- Eskom. 2009a. Nuclear-1 NPP Consistent Dataset. Unpublished Excel spreadsheet by Eskom.
- Eskom. 2009b. Annual Report. Eskom, Johannesburg.
- Eskom. 2010. Annual Report for 2010. Eskom, Johannesburg.
- Eskom. 2012. Integrated Report for the year ended 31 March 2012. Eskom, Johannesburg
- Eskom. 2012. Transmission Ten-Year Development Plan 2013-2022. Eskom, Johannesburg.
- Euston-Brown, D. 2003. Proposed wastewater treatment works. Pearly Beach. Botanical impact assessment. Report to SRK consulting for Overstrand Municipality. Cape Town
- Faurie, J. N., Raubenheimer, E., Andreoil, M. A. G., Anderson, N. J. B. 1993. A seismic hazard assessment of the sites selected by Eskom for the potential development of future nuclear power stations. Rev.3. GEA-1029
- Goedhart, M. L. 2004. A geological investigation of neotectonic reactivation along the Ceres-Kango-Baviaanskloof-Coega Fault system in the southern and eastern cape, South Africa: Desk study report. CGS 2004-0189. NSIP-SHA-013852#P1-153
- Goedhart, M. L. 2005. A geological investigation of the neotectonic reactivation along the Ceres-Kango-Baviaanskloof-Coega fault system in the southern and eastern Cape, South Africa: Field reconnaissance Report. CGS rep no. 2005-0084. ESKOM NSIP-SHA-013852#P1-133
- Goedhart, M. L. 2006. A geological investigation of the neotectonic reactivation along the Ceres-Kango-Baviaanskloof-Coega fault system in the southern and eastern Cape, South Africa: Trench Report. CGS Report No.: 2006-185. ESKOM NSIP-SHA-018229#p1-286 (302)
- Goldblatt, P., Manning, J. C. 2000. Cape plants: conspectus of the cape flora of South Africa. *Strelitzia* 9: 1 - 743
- Goodwin, A.J.H. 1946. The loom of prehistory. Cape Town: The South African Archaeological Society.
- Government of South Africa. 2008. National Protected Area Expansion Strategy. Department of Environmental Affairs and Tourism: Pretoria. 41 p.
- Griffiths, C. L., Robinson, T. B. 2006. Koeberg Nuclear Power Station, Marine Environmental Monitoring Programme. Marine Environmental Report. Cape Town.

- Griffiths, C. L. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Marine Biology study for Inception Report. Marine Biology Research Institute. University of Cape Town
- Harrison, J.A. 2007a. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Vertebrate study for Inception Report. James Adriaan Harrison and Associates. Cape Town
- Harrison, J.A. 2007b. Vertebrate fauna. James Harrison and Associates. Cape Town
- Hart, T. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Archaeology and Heritage Resources Assessment for Inception Report. University of Cape Town.
- Hart, T, Webley, L, Clift, H. & Schietecatte, L. 2010a. Heritage Impact Assessment of the proposed Acacia 2 x 400 kV Loop In Lines to the Omega Substation and Koeberg 2 HV Yard, Western Cape Province. Unpublished report for Savannah Environmental. 41p.
- Hart, T, Webley, L. & Schietecatte, L. 2010b. Heritage Impact Assessment of the construction of two 400kV Transmission Lines between Koeberg 2 PS, Omega Substation, Muldervlei Substation, and the Stikland Substation, Cape Town Metro, Western Cape Province. Unpublished report for Savannah Environmental. 57p.
- Hart, T, Webley, L, Clift, H & Schietecatte, L. 2010c. Heritage Impact Assessment for the construction of three 400 kV Transmission Lines between Koeberg 2 and the Omega Substation, Cape Town Metro, Western Cape Province. Unpublished report for Savannah Environmental. 40p.
- Hartnady. 2003. Earthquake risk for Cape Town. Umvoto News Column, http://www.umvoto.com/news_full.asp?ID=42
- Hattingh, J., Goedhart, M.L. 1997. Neotectonic control on drainage evolution in the Algoa basin, south-eastern Cape Province. South African Journal of Geology 100(1): 43-52
- Hesse, A. J. 1969. The Mydaidae (Diptera) of Southern Africa. Annals of the South African Museum 54, 1-388
- Hine, P.J. 2007. Stone walled tidal fish traps: an archaeological and archival investigation. Unpublished dissertation for the degree of Master of Philosophy, University of Cape Town.
- International Energy Agency and OECD Nuclear Energy Agency. 2010. Projected costs of generating electricity – 2010 edition. International Energy Agency and OECD Nuclear Energy Agency. Accessed from <http://www.nea.fr/pub/egc/> on 23 May 2010.
- IAEA. 1997. Sustainable Development and Nuclear Power: Severe Accidents in the Energy Sector. International Atomic Energy Agency. Vienna
- IAEA. 2005. Selection of decommissioning strategies: Issues and factors. Report by an Expert Group. IAEA Technical Document No. 1478. International Atomic Energy Agency. Vienna.
- IAEA. 2006. Geological disposal of Radioactive Waste. Safety Standard Series No. WS-R-4. International Atomic Energy Agency and OECD Nuclear Energy Agency, Vienna.
- IAEA. 2007. Considerations to launch a nuclear power programme. International Atomic Energy Agency. Vienna
- International Energy Agency. 2007a. Key World Energy Statistics 2007. International Energy Agency. Paris.

- International Energy Agency. 2007b. Energy Technology Essential: Nuclear Power. International Energy Agency. Paris.
- International Energy Agency. 2009. IEA statistics. CO₂ emissions from fuel combustion. Highlights. 2009. International Energy Agency. Paris.
- Integrated Development Plan. 2002. Cacadu District Municipality and District Management Area. Province of the Eastern Cape. Port Elizabeth
- Jackson, L. F., Lipschitz, S. 1984. Coastal Sensitivity Atlas of Southern Africa. Department of Transport, Republic of South Africa
- Jones, M. G. W., Nieuwenhuizen, G. D. P V., Day, J. A. 2002. Selecting priority wetlands for conservation measures. The Agulhas Plain as a case study. Report to CAPE (Cape Action Plan for the environment). Cape Town
- Jongens, A. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Noise Assessment for Inception Report. Jongens Keet and Associates. Cape Town
- Kijko, A., De Beer, C.H., Graham, G. Retief, S.J.P. 2001. An assessment of the Seismic hazard at the potential nuclear power site, Brazil-Schulphontein. Council for GeoScience Report No.: 2001-0198. Pretoria
- King, J., Silberbauer, M. 1989. Wetlands. Components of the Terrestrial Environment. Eskom Nuclear Site Specific Investigations: 1988/1989. Southern Cape. Supplementary Report. Volume 1
- Le Roux, A. 1991. NSIP West Coast: Site-Specific Environmental Study - Assessment of the Sensitivity of Vegetation on Tweepad, Brazil and Schulphontein. Environmental Evaluation Unit, University of Cape Town for ESKOM. Cape Town
- Low, A. B. 2000. Structure Plan for Mining: plantlife and conservation. Prepared for the Cape Metropolitan Council. Coastec, Rondebosch
- Low, A. B. 2003. Environmental impacts of large-scale groundwater development in the TMG aquifer. Identification of ecologically important zones. Coastec, Rondebosch
- Low, A. B., Desmet, P. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Botany study for Inception Report. Coastec. Rondebosch
- Low, A. B., Rebelo, A. G. 1998. Vegetation of South Africa, Lesotho and Swaziland. Department of Environmental Affairs and Tourism, Pretoria
- Maasdorp, G. 2007a. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Agricultural Assessment for Inception Report. Imani Development: Economic, Trade and Development Consultants. Durban
- Maasdorp, G. 2007b. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Economic Assessment for Inception Report. Imani Development: Economic, Trade and Development Consultants. Durban
- Maasdorp, G. 2007c. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Tourism Assessment for Inception Report. Imani Development: Economic, Trade and Development Consultants. Durban
- Maurstad, O. 2005. An overview of coal based Integrated Gasification Combined Cycle (IGCC) Technology. Massachusetts Institute of Technology Laboratory for Energy and the Environment Report Reference No.: MIT LFEE 2005-002 WP. Cambridge

- Maze, K., Rebelo. 1999. Core flora conservation areas on the Cape Flats. FCC Report 99/1. Botanical Society of South Africa. Claremont
- McLachlan, A., Sieben, P. R., Ascary, C. 1982. Survey of a major dune field in the eastern Cape. University of Port Elizabeth, Zoology Department Report Series No. 10, 48 pp
- McMillan, I.K., Brink, G.J.; Broad, D.S., Maier, J.J. 1997. Late Mesozoic sedimentary basins off the south coasts of South Africa pp. 319-376. In: Selley, R.C. (Editor). African Basins. Sedimentary Basins of the World. Elsevier, Amsterdam, The Netherlands
- Meyer, P.S. 2001. An explanation of the 1:500 000 general hydrogeological map – Cape Town 3317, October 2000. Directorate: Geohydrology, Department of Water Affairs and Forestry, Pretoria
- Meyer, P.S. 1998. An Explanation of the 1:500 000 General Hydrogeological Map, Port Elizabeth 3324. Department of Water Affairs and Forestry. Pretoria
- Mucina, L., Rutherford, M.C., (eds). 2006. The Vegetation of South Africa, Lesotho and Swaziland. Strelitzia 19. South African National Biodiversity Institute, Pretoria
- National Nuclear Regulator. A. Transportation of Radioactive Materials. National Nuclear Regulator. Centurion
- National Nuclear Regulator. 2001. Radioactive waste. National Nuclear Regulator. Centurion
- National Nuclear Regulator. 2005. National Nuclear Regulator requirements on the control and monitoring of developments in the formal emergency planning zone of Koeberg Nuclear Power Station. Document No.: RD-0015. Centurion
- National Nuclear Regulator. 2005/2006. The effective and efficient regulation of nuclear and radiation safety. National Nuclear Regulator Annual Report. Centurion
- National Nuclear Regulator. 2009. Annual Report 2009. ISBN No: 978-0-621-38528-1. National Nuclear Regulator. Centurion
- National Nuclear Regulator. 2010. Presentation on Licensing of New Nuclear Power Reactors and New Nuclear Sites (01 June 2010) to the Parliamentary Select Committee on Economic Development. National Nuclear Regulator. Centurion.
- Parsons, R.P., 1995. A South African aquifer system management classification. Prepared for the water research commission and department of water affairs and forestry. Report No. KV 77/95. Groundwater programme, Watertek, CSIR. Stellenbosch
- Parsons, R.P., Conrad, J. 1998. Explanatory notes for the aquifer classification map of South Africa. Water Research Commission Report No. KV 116/98
- Parsons, R.P. 1999. Intermediate reserve determination – a guide for quantifying the groundwater component. Specialist groundwater report, beta version. Parsons and associates Specialist groundwater consultants, Somerset West
- Parsons, R.P. 2002. Preliminary geohydrological assessment of four sites proposed as a new regional waste disposal facility for the City of Cape Town. Prepared for Jarrod Ball and Associates (in association with Africon) on behalf of the City of Cape Town, Report No. 110/RODB-F1. Parsons and Associates Specialist Groundwater Consultants. Somerset West
- Parsons, R.P., Flanagan, L.E. 2006. Environmental Impact Assessment for a new regional landfill site for the City of Cape Town – Specialist Groundwater study. Submitted to CCA Environmental (Pty) Ltd on behalf of the City of Cape Town, Directorate of Water and

Waste, Waste Management, Final Report, Report No. 149/RWSP-F2, February 2006.
Parsons and Associates Specialist Groundwater Consultants. Somerset West

- Picker, M. D. 2007a. Distribution and systematics of South African Onchophora. Unpublished data.
- Picker, M. D. 2007b. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Invertebrate Faunal study for Inception Report. University of Cape Town
- Petchers, N. 2003. Combined heating, cooling and power hand book technologies and application. Fairmont Press Incorporated
- Pöyry Energy Oy & Lithuanian Energy Institute. 2008. Environmental Impact Assessment Report: New Nuclear Power Plant in Lithuania. Lithuanian Energy Institute.
- Prestedge, Retief, Desner & Wijnberg. 2001a. ESKOM NPS site investigation program, NSIP, coastal engineering Thyspunt site. Report 345/02
- Prestedge, Retief, Desner, Wijnberg. 2001b. ESKOM NPS site investigation program, NSIP, coastal engineering Thyspunt site. Report 345/01
- Prestedge, Retief, Desner, Wijnberg. 2009. Environmental Impact Assessment for the Proposed Nuclear Power Station ('Nuclear-1') and Associated Infrastructure: Estimating the 1:100 Year Flood Line from the Sea. Unpublished report for Arcus GIBB.
- Prendini, L. 2005. Scorpion diversity and distribution in South Africa: pattern and process. In: African Biodiversity B. A. Huber et al., eds. 25-68
- Raja, A. K., Shivastava, A. P., Dwivedi, M. 2006. Power plant engineering. New age publishers
- Ragheb, M. M. H. 2008. Pressurized Water Reactors. Lecture notes by Associate Professor of Nuclear, Plasma, and Radiological Engineering at University of Illinois at Urbana-Campaign. Available at:
<https://netfiles.uiuc.edu/mragheb/www/NPRE%20402%20ME%20405%20Nuclear%20Power%20Engineering/index.htm>
- Raubenheimer, E., Hambleton-Jones, B. B., Toens, P. D. 1988. Detailed geology of De Hoek, Thyspunt and Tony's Bay. Volume 1: Geological description. Volume 2: Geotechnical maps of de hoek, Thyspunt and Tony's Bay. Eskom Southern Cape
- Revised Integrated Development Plan. 2005/2006. Revision for a new generation of integrated development plans. Overberg District Municipality
- Reid, D. L., Erlank, A. K., Rex, D. C. 1991. Age and correlation of the False Bay dolerite dyke swarm, south-western Cape, Cape Province. South African Journal of Geology 94: 155-158
- Roberts, D. L. 2001. The geology of Melkbosstrand and environs. Explanation 1:50,000 Sheet 3318CB Melkbosstrand, Council for Geoscience. Pretoria
- Rubidge, B. 2011. Eskom Thyspunt Nuclear Integration Project: Desktop palaeontological study. Unpublished report for Eskom. 9p.
- SaSFlora. 1998 to 2007. Site and species database for the Cape and Karoo floras. Coastec, Rondebosch
- South African Squid Management Industrial Association (ASMIA). 2007. Public Response for Eskom Nuclear Power Station and Associated Infrastructure for the Thyspunt Power Plant Proposed Location. St Francis Bay: South African Squid Management Industrial Association (unpublished).

- Schoch, A. E. 1976. Die geografiese posisie van die Colenso-verskuiwing in die Vredenburg-Saldanha gebied. *Suid Afrika Geograaf* 4: 303-309
- Schweitzer, F.R. & Wilson, M.L. 1982. Byneskranskop 1: A late quaternary living site in the southern Cape Province, South Africa. *Annals of the South African Museum* 88(1): 1-203.
- Schweitzer, F.R. 1970. A preliminary report of excavations of a cave at Die Kelders. *South African Archaeological Bulletin* 25: 136-138.
- Schweitzer, F.R. 1979. Excavations at Die Kelders, Cape Province, South Africa: the Holocene deposits. *Annals of the South African Museum*. 78(10): 101-203.
- Schweitzer, F.R. 1982. Byneskranskop 1, a Late Quaternary living site in the southern Cape Province, South Africa. *Annals of the South African Museum* 88.
- Shillington, F. A. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Oceanography study for Inception Report. Department of Oceanography. University of Cape Town
- SOEKOR. 1994. Orange Basin. Licensing round information brochure, September 1994
- SRK Consulting. 2007a. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Hydrology study for Inception Report. Johannesburg
- SRK Consulting. 2007b. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Geohydrology study for Inception Report. Johannesburg
- SRK Consulting. 2007c. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Freshwater Supply study for Inception Report. Johannesburg
- SRK Consulting. 2006. Preliminary Assessment of the Groundwater Potential of the Spektakel Aquifer. SRK Report No 364556, May 2006, Cape Town
- SRK Consulting. 1990. Koningnaas Diamond Mine Groundwater Investigation. Report No.: 181848 for De Beers Consolidated Mines. Johannesburg
- Statement on Cabinet Meeting of 20 October 2004
www.info.gov.za/speeches/2004/04102109151001.htm
- Statistics South Africa. 2006. Gross Domestic Product: Annual estimates 1993 – 2005, Annual estimates per region 1995 – 2005. Pretoria
- Sustainable Development Commission. 2006. The role of nuclear power in a low carbon economy. Reducing CO2 emissions: Nuclear and the alternatives. Sustainable Development Commission, United Kingdom.
- Tadross, M., Rock, J. 2007. Nuclear 1 Environmental Impact Assessment and Environmental Management Plan: Specialist Climate study for Inception Report. University of Cape Town
- Thwaites, R. N., Cowling, R. M. 1988. Landscape-vegetation relationships on the Agulhas Plain, South Africa. *Catena* 15: 333-346
- Tinley, K. L. 1985. Coastal dunes of South Africa. South African National Scientific Programmes Report No. 109 CSIR, Pretoria
- Tjeder, B. 1967. Neuroptera-Planipennia. The Lace-wings of Southern Africa. 6. Family Nemopteridae. Pp. 290-501 in *South African Animal Life*, B. Hanström, P. Brinck and G. Rudebeck, eds. Vol. 13. Swedish Natural Science Research Council, Stockholm

- United Kingdom Department of Energy and Climate Change. 2013. Electricity Generating Costs. Department of Energy and Climate Change: London.
- United States Nuclear Regulatory Commission. 2007. Decommissioning. <http://www.nrc.gov/about.nrc/regulatory/decommissioning.html>, accessed November 2007
- United States Energy Information Administration. 2013. Levelized Cost of New Generation Resources in the Annual Energy Outlook 2013. United States Energy Information Administration: Washington.
- Van Blerk, J. J. 2006. The 2007 Vaalputs Post-Closure Radiological Safety Assessment Context. Aquisim Consulting (Pty) Ltd, Centurion.
- Vandoolaeghe, M.A.C., Bertram, W.E. 1982. Atlantis Grondwatersisteem: herevaluasie van Versekerde Lewering. Technical Report Gh 3222, Directorate of Geohydrology, Department of Water Affairs
- Van Niekerk, W. 2007. Nuclear-1 Environmental Impact Assessment and Environmental Management Plan: Specialist Human Health Risk Assessment for Inception Report. Infotox (Pty) Ltd.Pretoria
- Van Schalkwyk, J. 2010. Heritage Impact Assessment for the Eskom Thyspunt Transmission Lines Integration Project 400kv Electricity Transmission Lines, Grassridge to Thyspunt, Port Elizabeth region, Eastern Cape Province. Unpublished report for Sivest Environmental Division. 30p.
- Visser, D. J. L. 1998. The geotectonic evolution of South Africa and offshore areas: Explanation of structure map, scale 1:1000 000. Council for Geoscience. Pretoria
- Von Buchenroder, W. L. 1830. An account of earthquakes, which occurred at the Cape of Good Hope during the month of December 1809, etc. South African Quarterly Journal. Cape Town
- Western Cape Department of Environmental Affairs and Development Planning (DEA&DP). 2011. Guideline on Need and Desirability. EIA Guidelines and Information Document Series. Western Cape Department of Environmental Affairs & Development Planning (DEA&DP)
- World Nuclear Association. 2009. Advanced Nuclear Power Reactors. Accessed at <http://www.world-nuclear.org/info/inf08.html> on 14/12/2009.
- World Nuclear Association. 2013. World Nuclear Power Reactors and Uranium Requirements, accessed at <http://www.world-nuclear.org/info/Facts-and-Figures/World-Nuclear-Power-Reactors-and-Uranium-Requirements/#.UdzcpPmnDJc>, accessed July 2013.
- <http://www.icjt.org/an/tech/jesvet/jesvet.htm>, accessed September 2007
- http://en.wikipedia.org/wiki/Pressurized_water_reactor, accessed November 2007
- <http://en.wikipedia.org/wiki/AP1000>, accessed November 2007
- http://www.eskom.co.za/education/visit/koeberg_body.htm, accessed October 2007
- http://en.wikipedia.org/wiki/Nuclear_and_radiation_accidents, accessed October 2007
- http://en.wikipedia.org/wiki/Nuclear_power, accessed September 2007
- http://www.eskom.co.za/live/content.php?Item_ID=3951, accessed May 2007
- <http://www.skep.org>, accessed June 2007

<http://www.capeaction.org.za>, accessed June 2007

<http://www.dme.gov.za/energy/gas.stm>, accessed September 2007

http://www.dme.gov.za/energy/renew_solar.stm, accessed October 2007

<http://www.scienceinafrica.co.za/2004/november/energy.htm>, accessed October 2007

http://www.eskom.co.za/live/content.php? Item_ID=702andRevision=en/0, accessed June 2007

<http://www.eskom.co.za/content/GFS0042%20ConcentrSolPowRev0.doc>, accessed June 2007

http://www.dme.gov.za/energy/renew_solar.stm, accessed June 2007

http://www.eskom.co.za/live/content.php? Item_ID=278andRevision=en/0, accessed June 2007

http://www.eskom.co.za/live/content.php?Category_ID=126, accessed June 2007

http://www.engineeringnews.co.za/article.php? a_id=106454, accessed June 2007

http://www.eskom.co.za/live/content.php? Category_ID=123, accessed June 2007

<http://www.physchem.co.za/Atomic/Radioactivity.htm#Fission>, accessed June 2007

<http://www.bullion.org.za>, accessed June 2007

<http://www.info.gov.za/asgisa/asgisa.htm>, accessed June 2007

<http://www.nuclearinfo.net/Nuclearpower/TheBenefitsOfNuclearPower>, accessed June 2007

<http://www.uic.com.au/nip14.htm>, accessed November 2007

<http://www.reachingcriticalwill.org>, accessed November 2007

<http://www.nucleartourist.com/world/koeberg.htm>, accessed November 2009

<http://www.world-nuclear.org/info/reactors.html>, accessed on 25 October 2009

<http://www.world-nuclear.org/info/inf03.html>, accessed on 22 October 2009

<http://www.nnr.co.za>, accessed on 22 October 2009

<http://www.iea.org/statist/index.htm>, accessed on 8 October 2009