

Chris Dalgliesh

Principal Consultant



Profession

Environmental Practitioner

Education

MPhil (EnvSci), Cape Town, 1994

BBusSc (Hons), Cape Town, 1985

Registrations/ Affiliations

Registered Environmental Assessment Practitioner
(South Africa)

Member International Association of Impact
Assessment

Director SRK South Africa 2018 - 2021

Director SRK Australia 2019 - 2023

Director SRK Investments 2011 - 2020

Director SRK Global 2013 - 2017

SRK Cape Town Managing Partner 2007 – 2015

Specialisation

ESG consulting.

Expertise

Chris Dalgliesh has been involved in management and environmental projects for the past 36 years. His expertise includes:

- EIA and ESIA (EMPR);
- environmental and social due diligence;
- socio-economic impact assessments;
- stakeholder engagement;
- strategic environment assessments and management plans;
- state of environment reporting;
- environmental management frameworks;
- site safety reports for the nuclear industry;
- natural resource management;
- waste management.

Employment

2000 – present

SRK Consulting (Pty) Ltd, Director, Partner and Principal Environmental Consultant

1999 – 2000

Arcus Gibb (Pty) Ltd, Associate, Cape Town, South Africa

1996 – 1998

African Environmental Solutions (Pty) Ltd, Senior Environmental Consultant

1994 – 1996

Environmental Evaluation Unit, Environmental Consultant, UCT

1991 – 1993

Novello Music Publishers, Marketing Manager, London, UK

1988 – 1990

JR Phillips, Product Manager, Wokingham, UK

1986 – 1988

Unilever, Trade and Assistant Brand Manager, Durban, South Africa

Publications

I have been interviewed and quoted in numerous environmental and sustainability articles published in the press and sector specific journals, including *Engineering News*, *Mining News*, *Business Report* and *Cape Times*, and am a frequent guest lecturer.

Languages

English – read, write, speak

Afrikaans – read, write, speak

Dutch - read

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Environmental and Social Impact Assessment (ESIA) and Environmental Management Programmes (EMP)

- Staatsolie Maatschappij Suriname, Produced Water Re-injection (PWRI) Project EIA, Saramacca, Suriname, 2022 – ongoing, US\$65 000
- AES, Cabinda Total Waste Management Facility FS: Environmental Screening Study, Cabinda, Angola, 2022 – ongoing, US\$26 000
- Mainstream Renewable Power South Africa (Pty) Ltd, EIA for Hanover SPV and Windfarm and Associated Infrastructure, Eastern Cape Province, South Africa, 2022 – ongoing, R 2 300 000
- Mainstream Renewable Power South Africa (Pty) Ltd, EIA for Stilfontein SPV Cluster and Associated Infrastructure, North West Province, South Africa, 2021 – ongoing, R 2 100 000
- PetroSA, PetroSA Gas to Power EIA, Mossel Bay, Western Cape, South Africa, 2021 – 2023, R 750 000
- Oceana Group Limited, Basic Assessment for 10 MW SPV Facility, St Helena Bay, Western Cape, South Africa, 2021 – ongoing, R 400 000
- Samara Mining (Pty) Ltd, Offshore Diamond Prospecting EIA, Offshore, West Coast, South Africa, 2021-2022, R 1 250 000
- Blue Crane Funerals, EIA for a Crematorium, Strand, Western Cape, 2021 – ongoing, R400 000
- Mineral Sand Resources, Tormin Mine Inland EIA, Lutzville, Western Cape Province, 2021 – ongoing R2 500 000
- AES, Bengo Landfill EIA, Angola, 2021 - ongoing, US\$80,000
- Mineral Sand Resources, De Punt Prospecting Block Baseline Study, Lutzville, Western Cape Province, 2021 – ongoing R1 000 000
- Coega Development Corporation, four EIAs for Gas to Power Plants (3 000MW), Eastern Cape Province, South Africa, 2020 – ongoing, R2 800 000
- Tronox Mineral Sands, EIA for East Mine In-Pit Residue Storage Facility, Namakwa Sands Mine, Brand se Baai, South Africa, 2019 – 2021, R900 000
- N.V. Energiebedrijven Suriname, ESIA for Tout lui Faut Kanaalweg Power Plant, Wanica District, Suriname, 2019, US\$115 000
- Eskom, EIA for Kappa-Sterrekus Powerline, Western Cape Province, South Africa, 2019 - ongoing, R3 000, 000
- Staatsolie Maatschappij Suriname, ESIA for Cyclic Steam Stimulation Enhanced Oil Recovery Project, Saramacca District, Suriname, 2019, US\$50 000
- Staatsolie Maatschappij Suriname, ESIA for Polymer Flood Enhanced Oil Recovery Project, Saramacca District, Suriname, 2019, US\$85 000
- Maritieme Autoriteit Suriname, ESIA for Suriname River Dredging Project, Suriname, 2019, US\$185 000
- Staatsolie Maatschappij Suriname, ESIA for Saramacca Power Plant, Saramacca District, Suriname, 2018 - 2019, US\$125 000
- Tronox Mineral Sands, EIA for coastal setback prospecting, Namakwa Sands Mine, Brand se Baai, South Africa, 2018 – ongoing, R800 000
- Motaengil Africa, IFC compliant EIA for Patriota Hospital, Luanda, Angola, 2018 – ongoing, R640 000
- Ricocure (Pty) Ltd, EIA for Exploration Right application for Offshore Block 3B, West Coast, South Africa, 2018-2019, R150 000

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- Sezigyn (Pty) Ltd, EIA for Exploration Right application for Offshore Mid-Orange Basin, West Coast, South Africa, 2018-2019, R150 000
- Rheinmetall Denel, Multi Purpose Nitration Plant EIA, Wellington, Western Cape Province, South Africa, 2018 - ongoing, R650, 000
- Impact Oil and Gas, Orange Deep Basin Seismic Survey EIA, Offshore West Coast, South Africa, 2017, R600,000
- Sungu Sungu Oil (Pty) Ltd, Pletmos Basin EIA, Offshore Southern Cape, South Africa, 2017, R525,000
- City of Cape Town, Vissershok North Landfill Waste Management Licence, Cape Town, Western Cape Province, 2016 – ongoing, R1 250,000
- Mineral Sand Resources, Tormin Mine EIA, Lutzville, Western Cape Province, 2016 – ongoing R1 250 000
- Department of Agriculture, Forestry and Fisheries, Project Definition and EIA for a proposed Aquaculture Development Zone in Saldanha Bay, Western Cape, 2016 – 2018, R1,000,000
- Easigas, EIA for LNG Plant, Mossel Bay, Western Cape Province, South Africa, 2016 – 2017, R600,000
- Gyproc St Gobain, EMPr for gypsum mine, Vanrhynsdorp, Western Cape Province, South Africa, 2016, R125,000
- Tronox Namakwa Sands, EIA for new slimes dam, Brand se Baai, Western Cape Province, South Africa, 2015 – ongoing, R900,000
- The River Club, EIA for redevelopment of the property, Cape Town, Western Cape Province, South Africa, 2015 – ongoing, R1 900,000
- SIMO Petroleum Ltd, ESIA for fuel supply project, Guinea, 2015, US\$200,000
- SIMO Petroleum Ltd, EIA for fuel supply project, Liberia, 2015, US\$200,000
- Eskom, EIA for Transient Interim Storage Facility, Western Cape, South Africa, 2015 – ongoing, R900,000
- Falcon Oil & Gas, Environment Management Programme Report (EMPr) update and engagement, Western, Northern and Eastern Cape, South Africa, 2014 – 2015, US\$90,000
- Department of Environmental Affairs (DEA), Waste Management Licence applications and Basic Assessment for 20 waste facilities, Western Cape, South Africa, 2014 – 2015, R2,600,000
- Sable Mining / West Africa Explorations (WAE), Cumulative Impact Assessment (CIA) for WAE's Nimba iron ore mine, Guinea, May 2014 – on hold, US\$90,000
- De Beers Buffalo Camp, Basic Assessment and EMPr Amendment, Kimberley, Northern Cape, 2014, R260,000
- EFG Engineers, EIA for Hermanus bypass road, Western Cape Province, South Africa, 2014 – 2017, R1,200,000
- SRK Turkey, CIA of Copler gold mine, Turkey, 2014, US\$30,000
- Sable Mining Africa Ltd, ESIA for railway line and port expansion, Liberia, 2014, US\$480,000
- Tronox Namakwa Sands, EIA for abalone farm, Brand se Baai, Western Cape Province, South Africa, 2014 – ongoing, R1,050,000
- Matzikamma Municipality, EIAs for three abalone farms, Doringbaai, Western Cape Province, South Africa, 2014 – 2017, R1,100,000
- De Beers, EMPr amendment for fine residue pond, Kimberley, South Africa, 2013, R120,000
- AES, ESIA of landfill, Soyo, Angola, 2013, US\$70,000

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- PetroSA, EIA of offshore gasfield, Southern Cape, South Africa, 2013 – ongoing, R500,000
- EnergieBedrijven Suriname, ESIA for new power plant, Suriname, 2013, US\$135,000
- AES, ESIA of Thermal Desorption Unit, Soyo, Angola, 2013, US\$65,000
- Staatsolie Maatschappij Suriname, Rapid EIA of power plant expansion, Suriname, September 2012 – 2014, US\$100,000
- BP, ESIA of Blocks 18 & 31 Drilling and Seismic Survey, Angola, 2012, US\$40,000
- Frontier, EIA for desalination plant and water pipeline, Abraham Villiers Bay, Northern Cape, South Africa, August 2012 – ongoing, R1,250,000
- Tronox Namakwa Sands, EIA /EMPr for two mining application areas, Namakwaland, Western Cape Province, South Africa, 2012 – ongoing, R1,250,000
- Airports Company South Africa, EIA of realignment of runway, Cape Town International Airport, Western Cape, South Africa, R3,175,000
- Grindrod Mauritius, EIA of Matola Coal Terminal Phase 4 Expansion, Maputo, Mozambique, 2012 - 2013, US\$425,000
- Maersk, ESIA of Block 16 Seismic Survey, Angola, 2010 – 2011, US\$25,000
- Staatsolie Maatschappij Suriname, EIA for diesel, gasoline and LGP pipelines, Suriname, October 2011 – 2013, US\$120,000
- Premier Fishing, EIA for re-establishment of fishmeal plant, Saldanha Bay, South Africa, May 2011 – 2015, R1,200,000
- Eni Angola BV, ESIA of development of Block 15/06 West Hub oil fields, Angola, 2011 - 2013, US\$110,000
- Falcon Oil & Gas, EMPr, Western, Northern and Eastern Cape, South Africa, 2010 – 2011, US\$100,000
- Great Western Minerals Group, EIA and EMPr of rare earth mine, Vanrhynsdorp, Western Cape, South Africa, 2010 – 2012, R1,760,000
- Vale, ESIA of phosphate mine, Nampula Province, Mozambique, 2010 – 2013, US\$630,000
- Sonangol Lda, EIA (x6) of onshore hydrocarbon facilities, Luanda, Malange and Lubango, Angola, March – November 2010, US\$280,000
- Empresa Moçambicana de hidrocarbonetos and Buzi Hydrocarbons Pty Ltd, ESIA for seismic surveys and exploration drilling in Buzi Block, Sofala Province, Mozambique, 2009 – 2010, US\$200,000
- Staatsolie, ESIA of refinery expansion, Paramaribo, South America, 2009 – 2010, US\$400,000
- Sasol Technology, EIA for proposed new gas pipeline from Ressano Garcia to Moamba, Mozambique, Moamba, Mozambique, 2009 – 2010, R1,000,000
- Anglo American, State of Environment Report, Strategic Environment Assessment, and ESIA of Gamsberg zinc mine, Aggeneys, South Africa, 2008 – 2010, R13,000,000
- CIC Energy, Environmental screening and fatal flaw assessment of Trans Kalahari Railroad and port, Botswana and Namibia, 2008 – present, R1,300,000
- BHP Billiton, ESIA of Corantijn River dredging, Suriname, 2007 – 2008, US\$750,000
- BHP Billiton, ESIA of Bakhuis transport project, Suriname, 2006 – 2008, US\$1,600,000
- Altona Developments, EIA of mixed development, Worcester, Western Cape Province, South Africa, 2006 – 2010, R750,000
- BHP Billiton, ESIA of Bakhuis bauxite mine, Suriname, 2005 – 2008, US\$3,200,000

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- Levendal Developments (Pty) Ltd, EIA of mixed development, Suider-Paarl, Western Cape Province, South Africa, 2005 – 2008, R450,000
- Bevcen, Angola, EIA of canning facility, Viana, Angola, 2005 -2010, US\$75,000
- Chevron Texaco, EIA of landfill, Cabinda, Angola, 2004 – 2005, US\$90,000
- Attpower Developments (Pty) Ltd, EIA of mixed coastal development, Mossel Bay, Western Cape Province, South Africa, 2004, R600,000
- Intels Services Luanda, EIA of landfill, Cacuaco, Angola, 2004, US\$65,000
- Kwezi V3, EIA of waste water treatment works, Gansbaai, Western Cape Province, South Africa, 2003 – 2005, R350,000
- City of Cape Town, EIA of Fisantekraal waste water treatment works, Cape Town, Western Cape Province, South Africa, 2003 – 2004, R450,000
- St Francis Bay Municipality, EIA of beach remediation, St. Francis Bay, Eastern Cape Province, South Africa, 2002 – 2003, R300,000
- City of Cape Town, Environmental Impact Control Report of Vissershok North landfill, Western Cape Province, South Africa, 2001 – 2004, R175,000
- NDC, EMP for NDC diamond mine, Vredendal district, Western Cape Province, South Africa, 2001 – 2003, R800,000
- Coega Development Corporation, EIA for rezoning, Eastern Cape Province, South Africa, 1999, R85,000
- BHP Billiton, EIA (Scoping) of Alusaf Hillside smelter, Richards Bay, KwaZulu-Natal Province, South Africa, 1999, R150,000
- Gencor, EIA of zinc refinery and phosphoric acid plant, Port Elizabeth, Eastern Cape Province, South Africa, 1995 – 1998, R800,000
- Duferco, EIA of steel rolling mini-mill, Saldanha, Western Cape Province, South Africa, 1997, R90,000
- Hoechst, EIA of polymer extension, Durban, KwaZulu-Natal Province, South Africa, 1993 – 1994, R280,000

Environmental Planning and Natural Resource Management

- AES, Angola Waste Valorisation and Greenhouse Gas Emissions Management Plan, Luanda and Soyo, Angola, 2022 – ongoing, US\$18 000
- Mineral Sand Resources, West Matzikama Strategic Environmental Assessment Terms of Reference, Lutzville, Western Cape Province, 2021 R180 000
- Tronox Mineral Sands (Pty) Ltd, renewal of the Atmospheric Emission Licence for the Namakwa Sands UMM Plant, Brand-se-Baai, Western Cape, 2018-ongoing, R320 000
- Tronox Mineral Sands (Pty) Ltd, renewal of the Atmospheric Emission Licence for the Namakwa Sands Mineral Separation Plant, Koekenaap, Western Cape, 2018-ongoing, R290 000
- Tronox Mineral Sands (Pty) Ltd, renewal and variation of the Atmospheric Emission Licence for the Namakwa Sands Smelter Plant, Saldanha, Western Cape, 2018-ongoing, R300 000
- Kudumane Manganese Resources, EMP Amendment for KMR Manganese Mine, Hotazel, Northern Cape, 2017 – ongoing, R170 000
- Eskom, Ecological Reports, Duynefontyn and Thyspunt, Nuclear Site Safety Reports Update, South Africa, 2017 – present, R800,000
- DEA&DP, Western Cape State of Environmental Report, 2017, R1,700,000

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- Tronox Namakwa Sands, Development of Closure Commitments and Rehabilitation Monitoring Plan Namakwaland, Western Cape Province, South Africa, 2015 – ongoing, R600,000
- West Coast District Municipality, Integrated Coastal Management Plan, West Coast, South Africa, 2012 – 2013, R700,000
- City of Cape Town, Environmental Management Framework and control zones, Cape Town, Western Cape Province, South Africa, 2008 – 2009, R600,000
- Eskom, Ecological Reports, Koeberg, Bantamsklip and Thyspunt, South Africa, 2008 – 2013, R900,000
- City of Cape Town, Environmental Management Framework and control zones, Cape Town, Western Cape Province, South Africa, 2008, R500,000
- Knysna Municipality, State of Environmental Report, Western Cape Province, South Africa, 2004 – 2005, R130,000
- DEA&DP, Western Cape State of Environmental Report, 2004 – 2005, R1,400,000

Environmental and Social Review and Due Diligence

- Vedanta - Black Mountain Mining (Pty) Ltd, BMM and Gamsberg Water Use Licence and EMPr Performance Assessment, Northern Cape Province, South Africa, 2023, R210 000
- UniCredit, Environmental and Social Action Plan and Performance Review of Caculo Cabaca Hydropower Dam, Angola, 2022 - 2023, €320 000
- HSBC, Annual Monitoring Reports for MIGA Review, Cambambe Hydropower Dam, Angola, 2019 – 2021, €110 000
- Vedanta - Black Mountain Mining (Pty) Ltd, BMM and Gamsberg Water Use Licence and EMPr Performance Assessment, Northern Cape Province, South Africa, 2021, R105,000
- HSBC, Environmental and Social Due Diligence and Annual Review of Lauca Hydropower Dam, Angola, 2014 – 2021, €410 000
- Eramet Comilog Manganese, Environmental Regulatory Due Diligence of Heavy Minerals Mine, Alexander Bay, South Africa, 2020, €11 000
- HSBC, Environmental and Social Compliance Monitoring of Fertilizer Plant and Railway Line, Ghorashal, Bangladesh, 2020 – 2032, \$670 000
- BNP Paribas, Environmental and Social Due Diligence of Elandsfontein mine Expansion, Langebaan, South Africa, 2020, R115 000
- Euler Hermes/ UniCredit / Voith, Environmental and Social Due Diligence and Action Plan of Caculo Cabaca Hydropower Dam, Angola, 2020, €30 000
- Vedanta - Black Mountain Mining (Pty) Ltd, BMM and Gamsberg EMPr Performance Assessment, Northern Cape Province, South Africa, 2019, R125,000
- Easigas, ESDD of Avedia LPG terminal, Saldanha Bay, South Africa, 2018, R90 000
- Kropz, Environmental and Social Due Diligence for Competent Persons' Report, Elandsfontein mine, Langebaan, South Africa, 2018, R130 000
- Standard Bank South Africa Limited, Environmental and Social Due Diligence and Environmental and Social Action Plan (ESAP) for Caculo Cabaca Hydropower Dam, Angola, 2017, \$23 000
- Voith Hydro, Zenzo Hydroelectric Project Gap Analysis and Environmental and Social Action Plan, Angola, 2017, €30 000
- Voith Hydro, Koysa Hydroelectric Project Gap Analysis, Ethiopia, 2017, €15 000

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- AES, Cacuaco Landfill Environmental Compliance Audit, Luanda, Angola, 2017, US\$17,500
- Industrial and Commercial Bank of China, Environmental and Social Due Diligence and Environmental and Social Action Plan (ESAP), and Annual Compliance Audits for Caculo Cabaca Hydropower Dam, Angola, 2016-2017, \$31 000
- Deutsche Bank, Environmental and Social Due Diligence and Annual Review of Be'er Tuvia Combined Cycle Gas Turbine Power Plant, Israel, 2016 – 2022, €150 000
- Confidential, Environmental and Social Gap Analysis of Caculo Cabaca Hydropower Dam, Angola, 2016, €20 000
- BNP Paribas, Environmental and Social Due Diligence of Elandsfontein mine, Langebaan, South Africa, 2015, R60,000
- Tronox Namakwa Sands, Water Use Licence Audit(s), Namakwaland, Western Cape Province, South Africa, 2015 and 2014, R175,000 (x2)
- Tronox Namakwa Sands, EMPr Performance Assessment, Namakwaland, Western Cape Province, South Africa, 2014, R175,000
- West Africa Exploration Ltd, Environment and social gap analysis of Nimba iron ore mine, Guinea, 2014, US\$80,000
- HSBC, Environmental and Social Due Diligence and Annual Review, Cambambe Hydropower Dam, Angola, 2013 – 2017, €255,000
- Tronox Namakwa Sands, EMPr Performance Assessment, Namakwaland, Western Cape Province, South Africa, 2012 – 2013, R150,000
- Biovac, Environmental due diligence audit of pharmaceutical plant, Cape Town, Western Cape Province, South Africa, 2012, R100,000
- SRK UK, Environmental Due Diligence of phosphate mine, Brazil, 2010, US\$15,000
- SRK Russia, Environmental Due Diligence of Rossing South uranium mine, Namibia, 2009, US\$12,000
- SonaGas, EIA external review of LNG plant EIA, Soyo, Angola, 2006, US\$50,000
- Confidential, Environmental Due Diligence, Cape Town, Western Cape Province, South Africa, 2004, R80,000
- Netherlands Commission for EIA, External EIA review of Mavoco hazardous landfill EIA, Maputo, Mozambique, 2002, R30,000

Management Plans

- Black Mountain Mining (Pty) Ltd, Gamsberg Mine IWWMP Update, Aggenys, Northern Cape Province, South Africa, 2018 – ongoing, R185 000
- West Africa Exploration Ltd, Stakeholder Engagement Plan, Guinea, 2014, US\$15,000
- West Africa Exploration Ltd, Biodiversity Action Plan, Guinea, 2014, US\$20,000
- Tronox Namakwa Sands, Integrated Water and Waste Management Plan for Namakwa Sands mine, Namakwaland, Western Cape Province, South Africa, 2013 – 2014, R125,000
- Tronox Namakwa Sands, Integrated Water and Waste Management Plan for Namakwa Sands Smelter, Saldanha Bay, Western Cape Province, South Africa, 2013, R110,000
- BHP Billiton, Conceptual Closure and Rehabilitation Plan, Suriname, 2007 – 2013, US\$210,000
- Namakwa Sands, Closure Plan, Namakwaland, Northern Cape Province, South Africa, 2003, R170,000

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Socio Economic Impact Assessments

- Mineral Sand Resources, Tormin Mine Socio-Economic Benefits Assessment, Lutzville, Western Cape Province, 2021 R165 000
- Department of Environmental Affairs and Development Planning (DEA&DP), Papenkuils Wetland Valuation, South Africa, 2020 – 2021, R500 000
- Departments of Public Works and Basic Education, Helderberg School and Hospital Socio-economic impact assessment, South Africa, 2020, R80 000
- Client: RSK, Basra Master Plan: Modelling of Economic and Population Dynamics, Iraq, 2020 – 2021, \$15 000
- Aecom, Social Impact Assessment of Kayamandi Bulk Water Pipeline, South Africa, 2020 - 2021, R80 000
- Allied Gold Corp, Economic specialist study for the Dish Mountain Gold Project, Ethiopia, 2018 – ongoing, \$11 000
- Joule Africa, Initial Environmental and Social Assessment of the KPEP Hydropower Project, Cameroon, 2018 – ongoing, \$10,800
- Anglo Gold Ashanti, Economic Baseline Report for Siguiri Gold Mine, Guinea, 2018, R130 000
- Pam Golding / Pennyroyal (Gibraltar) Ltd., Economics benefits analysis of Amber Resort Development, Zanzibar, Tanzania, 2017, R300 000
- RSK, EACOP Pipeline Economic Study, Uganda and Tanzania, 2017, \$ 40,000
- Tronox, Socio-Economic Impact Assessment of Mining and Associated Operations, South Africa, 2017, R120 000
- SRK UK, Sintoukola Potash Mine Economic Impact Assessment, Republic of Congo, 2012, \$30,000
- Staatsolie Maatschappij Suriname, Refinery Expansion Community Relations Plan, Suriname, 2011, \$120,000
- SRK UK, Reko Diq Phosphate Mine Review of Economic Impact Assessment, Pakistan, 2010, \$7,500
- DEADP, Western Cape State of the Environment Report Economic Study, 2004, R40,000

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Profession	Environmental Scientist
Education	MPhil (Environmental Management), with distinction, University of Stellenbosch, 2007 BSc (Hons), (Environmental and Geographical Science), University of Cape Town, 1997 BSc, University of Cape Town, 1996
Registrations/ Affiliations	Pr Sci Nat (South Africa) (400122/05) Registered Environmental Assessment Practitioner (EAP No, 2020/247), IAIAAsa

Specialisation Environmental management consulting.

Expertise Sharon Jones has been involved in environmental management projects for the past 25 years. Her expertise includes:

- a number EIA's undertaken for a variety of activities including renewable energy, mining, airport and port development;
- compilation of Environmental Management Frameworks and State of Environment Reports;
- environmental and social due diligence (ESDD) and gap analysis studies;
- compliance audits against lender requirements (IFC, World bank);
- compilation of construction and operational phase EMPs for a range of projects;
- Climate Change Impact Assessment;
- auditing compliance with EAs and EMPs on a number of sites;
- applications for various licence and permits including Water Use Authorisation, Coastal Waters Discharge Permits, Dumping at Sea Permits and Atmospheric Emission Licences.

Employment

2005 – present SRK Consulting SA (Pty) Ltd, Principal Environmental Consultant,
2001 – 2005 Ecosense cc, Environmental Scientist, Stellenbosch
1998 – 2001 Planning Partners, Environmental Consultant, Cape Town

Publications I have been interviewed and quoted in numerous environmental and sustainability articles published in the press and sector specific journals including:

- Localised environmental management. *Urban Green File*. August 2012, 26-31
- Environmental Management Framework for Winelands. *Environmental Management*. Jan/Feb 2012, 6-7
- Port Expansions: No Short Cuts. *Export & Import SA*. September 2013, p. 26
- No quick fix for port projects. *Civil Engineering Contractor*. November 2013, p.8.
- Happy Marriage between Civil and Environmental Engineering. *Civil Engineering*. August 2014, 58-59
- Aquaculture Aspirations. *Engineering News*. September 2015, p.70.
- Angola's hydropower projects pose potential environmental risks. *African Mining Brief*. October 2016
- Environmental Risks to Angola's Hydropower Revolution. *Alternative Energy Africa*. October 2016
- Five facts about Angola's hydropower projects. *African Business Review*. October 2016
- Environmental Risks to Angola's Hydropower Revolution. *Electricity and Control*. November 2016, p. 48
- Licensing rules for large desalination plants remain challenging. *Engineering News Online*. August 2017
- Red tape not insurmountable for new water projects. *Infrastructure News*. March

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2018

- Red tape not insurmountable for those looking to help boost water supply. *Bizcommunity.com*. 19 March 2018.
- Red tape not insurmountable for new Western Cape water projects. *Borehole Water Journal Online*. 20 March 2018
- Covid-19 calls for 'balanced' strategy for technical audits. *Mining Review Africa*. 2 July 2020.
- Covid-19 calls for 'balanced' strategy for technical audits. *African Mining Brief*. 2 July 2020.
- Covid-19 restrictions could lead to more "economical" technical audits. *International Mining*. 3 July 2020.
- Covid-19 calls for 'balanced' strategy for technical audits. *Bizcommunity.com*. 3 July 2020.
- Covid-19 calls for 'balanced' strategy for technical audits. *Energize*. 7 July 2020.
- Safeguarding lenders and enviro, social risks shift. *Mining Review Africa, Mining Focus Africa, Novus Group Bulletin, African Petrochemicals & Energy, Engineering Africa Publication*. 5 October 2022.

Languages

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

Environmental and Social Impact Assessment (EIA or ESIA) and Environmental Management Programmes (EMP)

- Mainstream Renewable Power South Africa, 23 EIA processes for PV and WEF facilities and associated infrastructure in the Hanover Solar and Wind Energy Cluster, Northern Cape, R 3.8 Million
- Stellenbosch Municipality, Substantive Amendment to Environmental Authorisations for Stellenbosch Landfill Facility, Western Cape, R 110 000
- Transnet Port Terminals, EIA for proposed expansion of manganese export facility at Port of Saldanha, Western Cape, R 600 000
- City of Cape Town, EIA for the proposed refurbishment of Biosolids Beneficiation Facility at Cape Flats Waste Water Treatment Works, Western Cape, R 1.2 Million
- Tronox Mineral Sands, Basic Assessment for an LNG Plant at the Mineral Separation Plant, Koekenaap, Western Cape, 2019, R 400 000
- Maritieme Autoriteit Suriname, ESMP for Suriname River Dredging Project, Suriname, South America, 2019, \$ 10 000
- Ricocure, EIA for Exploration Permit, Inshore Block 3B/4B off the West Coast of South Africa, R 200 000
- Lions Hill Development Company, Various EA Amendment applications for residential development, Tamboerskloof, Western Cape, South Africa, 2018 - 2020, R 500 000
- Review of Operational Phase EMP for Port of Saldanha, Western Cape, South Africa, 2018, R 100 000
- Rheinmetall-Denel Munitions, EIA, AEL amendment and WUA amendment for multipurpose nitration plant, Wellington, South Africa, R 450 000.
- Transnet, Basic Assessment for upgrade of Island View seawalls, Durban South Africa, R 250 000.
- Coega Development Corporation, authorisations processes and EMPs for repairs and upgrades to six fishing harbours in the Western Cape, South Africa 2017, R 400 000
- Livery Winery, EIA and related applications for upgrades to Vergenoegd Wine Estate, Stellenbosch, Western Cape, R 300 000

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- Transnet Port Terminals, Basic Assessment for amendments to the Atmospheric Emissions Licence for the iron ore terminal, Port of Saldanha, South Africa, 2016, R 205 000
- Eskom, Basic Assessment for the construction of a powerline between the existing Bon Chretien substation in Ceres and the new Merino substation, South Africa, 2016, R 400 000
- Eskom, EIA for proposed Transient Interim Used Fuel Storage Facility, Koeberg Nuclear Power Station, South Africa, 2015 – ongoing, R 1, 000 000
- Matzikama Municipality, EIA for proposed aquaculture farms at Doringbaai, South Africa, 2015, R2,000,000
- Nadeson Consulting Service, Basic Assessment for stormwater infrastructure upgrades, Middelpoos Saldanha Bay, 2015, R290,000
- Tronox Mineral Sands (Pty) Ltd, Basic Assessment for amendments to the East OFS Project, Brand-se-Baai, 2014 - ongoing, R1,000,000
- Airports Company of South Africa, EIA and EMP, Cape Town International Airport, Cape Town, 2012 – 2015, R2,750,000
- Frontier Rare Earths SA (Pty) Ltd, Site Screening and Fatal Flaw Assessment, EIA, EMP and Coastal Water Discharge Permit, Abraham Villiers Bay, Northern Cape, 2012 – 2015, R1,400,000
- Prestedge Retief Dresner Wijnberg on behalf of Transnet, Basic Assessment and EMP, General Maintenance Quay, Port of Saldanha, 2012 – 2015, R290,000
- Hatch on behalf of Grindrod Terminals, Environmental Scoping Study, ESIA and EMP, Matola Port, Maputo, Mozambique, 2012, US\$420,000
- Vale, Environmental Scoping Study, EIA and EMP, Nampula Province, Mozambique, 2010 – 2012, US\$800,000
- Overstrand Municipality, Basic Environmental Assessment and Water Use Licence Application, Hermanus, Western Cape, 2009 – 2011, R350,000
- Staatsolie (State Oil Company), Suriname, Rapid Environmental Assessment, Suriname, South America, 2009, US \$45,000
- Transnet Capital Projects, Basic Environmental Assessment, Saldanha Bay, 2007 – 2008, R800,000
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