

Estie Retief

Environmental Scientist



Profession

Environmental Consultant

Education

M.A Environmental Management, University of Johannesburg, 2008

BA (Hons), Geography, University of Johannesburg, 2005

BA, Geography and Environmental Management, Rand Afrikaans University, 2004

**Registrations/
Affiliations**

Member, International Association of Impact Assessments (IAIA) South Africa,

Environmental Law Association (ELA) and

Society for South African Geographers (SSAG)

Specialisation

Development of environmental impact assessment and management programmes (EIA/EMP) and closure cost assessments for environmental authorisation processes relating to mining developments in terms of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002) (MPRDA), National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA) & National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) (NEM:WA) and National Water Act, 1998 (Act No. 36 of 1998) (NWA), environmental performance and compliance audits, greenhouse gas assessments in terms of the Greenhouse Gas (GHG) Protocol.

Expertise

Estie Retief has over 11 years of experience in the environmental consulting field. Estie's experience thus far was focussed mainly on environmental authorisation processes relating to mining developments in terms of the MPRDA, NEMA & NEM:WA and NWA legislation for coal, manganese, iron ore, gold, uranium and heavy mineral sand mines. Estie has strong project management skills and have assisted clients with projects from pre-feasibility phase, throughout the permitting and stakeholder consultation process towards authorisation. Estie has also been involved with auditing compliance in terms of existing authorisations and environmental management plans. Estie has a keen interest in sustainability and have also been involved with the development of carbon footprint assessments in line with the GHG protocol.

Employment

Jun 2017 – present

SRK Consulting (Pty) Ltd, Environmental Scientist, Johannesburg

June 2008 – May 2017

GCS Water and Environmental Consultants, Environmental Project Manager, Johannesburg

March 2006 – May 2008

GCS Water and Environmental Consultants, Environmental Consultant, Johannesburg

Languages

English – read, write, speak (Excellent)

Afrikaans – read, write, speak (Excellent)

Estie Retief

Environmental Scientist

Key Experience: Environmental authorisation processes

Location: Delmas, Mpumalanga, South Africa
 Project duration & year: Ongoing, initiated in October 2016 (started with new appointment prior to project completion)
 Client: Exxaro
 Name of Project: Eloff Phase 1
 Project Description: The development of Phase 1 of a proposed opencast coal mine which required MPRDA, NEMA & NEM: WA and NWA applications.
 Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, budget control and invoicing.
 Value of Project: ±R2 000 000.00

Location: Near Piet Retief, Mpumalanga, South Africa
 Project duration & year: Ongoing, initiated in April 2017 (started with new appointment prior to project completion)
 Client: Kangra Coal
 Name of Project: Kusipongo expansion project
 Project Description: The development of a proposed underground coal mine which will link to the existing Kangra operations. The project required MPRDA, NEMA and NWA applications.
 Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, budget control and invoicing.
 Value of Project: ±R1 500 000.00

Location: Near Kriel, Mpumalanga, South Africa
 Project duration & year: Ongoing, initiated in 2015 (started with new appointment prior to project completion)
 Client: Exxaro
 Name of Project: Matla Stopping and Consolidation of WUL and EMP
 Project Description: Existing Underground Coal Mine. Client proposed to continue with stopping of remaining underground pillars, and consolidate their existing NWA and MPRDA Authorisations.
 Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, budget control and invoicing.
 Value of Project: ±R4 500 000.00

Location: Lesotho
 Project duration & year: Project Initiated in November 2016 and Finalised in March 2017.
 Client: Gem Diamonds
 Name of Project: Carbon and Water Footprint Update
 Project Description: Update of the Gem Diamonds Group Carbon and Water Footprints
 Job Title and Duties: Specialist – Update of the group carbon footprint
 Value of Project: ±R100 000.00

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Key Experience: Environmental authorisation processes

Location: Near Hotazel, Northern Cape, South Africa
Project duration & year: 2014 - 2016
Client: Hatch Goba (through appointment of Eramet)
Name of Project: Mukulu Manganese Mine
Project Description: Mukulu Manganese Mine was a proposed opencast and underground manganese mine which required MPRDA, NEMA & NEM: WA and NWA IWULA/IWWMP applications. As the project evolved, two additional NEMA authorisations was required to realign a provincial road, and to move Eskom power lines. The project was however cancelled prior to the NEMA & NEM: WA applications for the mine, road and power lines were submitted.
Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents.
Value of Project: ±R9 000 000.00

Location: Westonaria, Gauteng, South Africa
Project duration & year: 2014 - 2016
Client: Sibanye Gold
Name of Project: Cooke 2 Tailings Backfill Plant
Project Description: The development of a tailings pipeline from existing plant, over the Wonderfonteinspruit to a new constructed plant to be used as backfill material to stabilise underground workings which required MPRDA, NEMA, NWA and NNR applications.
Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, update of financial provision for closure, budget control and invoicing.
Value of Project: ±R2 500 000.00

Location: Near Kriel, Mpumalanga, South Africa
Project duration & year: Project initiated in November 2014 with Authority feedback still outstanding (started with new appointment prior to project completion)
Client: Exxaro
Name of Project: Rietkuil-Vhakoni
Project Description: Proposed Underground Coal Mine which required MPRDA, NEMA & NEM: WA and NWA applications.
Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, budget control and invoicing.
Value of Project: ±R2 000 000.00

Location: Belfast, Mpumalanga, South Africa
Project duration & year: 2013 - 2015
Client: Exxaro
Name of Project: Glisa Water Treatment Plant
Project Description: The development of a Reverse Osmosis Water Treatment Plant which required MPRDA, NEMA & NEM: WA and NWA applications, to treat the decant water from existing operations.
Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, update of financial provision for closure, budget control and invoicing.
Value of Project: ±R1 500 000.00

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Key Experience: Environmental authorisation processes

Location: Near Boksburg, Gauteng, South Africa
 Project duration & year: 2013 (approximately 1 month duration)
 Client: Clover Alloys
 Name of Project: Monterey Sands due Diligence Assessment
 Project Description: Due Diligence Assessment of the site was required prior to the operation being purchased to ascertain if there are any areas of non-compliance.
 Job Title and Duties: Project Manager – client contact, timeframe coordination, drafting of due diligence report
 Value of Project: ±R50 000.00

Location: Near Kathu, Northern Cape, South Africa
 Project duration & year: 2012 - 2014
 Client: Khumani Iron Ore Mine
 Name of Project: Off-Grade 2 Plant
 Project Description: Off-Grade 2 Plant expansion which required MPRDA, NEMA and NWA applications.
 Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, update of financial provision for closure, budget control and invoicing.
 Value of Project: ±R900 000.00

Location: Near Kathu, Northern Cape, South Africa
 Project duration & year: Bi-monthly for the period 2012 – 2013 (approximately 1 month duration per audit)
 Client: Khumani Iron Ore Mine
 Name of Project: WHIMS and TFR Environmental Audits
 Project Description: Annual EMP audit on the railway relocation and plant expansion projects.
 Job Title and Duties: Project Manager – client contact, timeframe coordination, drafting of audit reports, budget control and invoicing.
 Value of Project: ±R35 000.00 (per audit)

Location: Near Port Edward, Eastern Cape, South Africa
 Project duration & year: 2012
 Client: Mineral Sands Resources
 Name of Project: Xolobeni: Kwanyana Heavy Mineral Sands Offshore Prospecting Right
 Project Description: Update of the Prospecting Right Application in terms of the MPRDA for the Xolobeni block proposed mineral sands mine area.
 Job Title and Duties: Project Manager – client contact, timeframe coordination, management of stakeholder consultation specialist, authority and stakeholder consultation, consultant management, review of documents, budget control and invoicing.
 Value of Project: ±R200 000.00

Location: Near Kriel, Mpumalanga, South Africa
 Project duration & year: 2011 – 2013
 Client: Exxaro
 Name of Project: Matla Water Treatment Plant
 Project Description: The development of a Reverse Osmosis Water Treatment Plant which required MPRDA, NEMA & NEM: WA and NWA applications, to treat the decant water from existing operations.
 Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, update of financial provision for closure, budget control and invoicing.
 Value of Project: ±R2 000 000.00

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Key Experience: Environmental authorisation processes

Location: Near Lutzville, Northern Cape, South Africa
 Project duration & year: 2011
 Client: Mineral Sands Resources
 Name of Project: Tormin Heavy Mineral Sands Offshore Prospecting Right Application
 Project Description: for prospecting in terms of the MPRDA.
 Job Title and Duties: Project Manager – authority and stakeholder consultation, budget control and invoicing.
 Value of Project: R80 000.00

Location: Belfast, Mpumalanga, South Africa
 Project duration & year: 2010 - 2012
 Client: Exxaro
 Name of Project: Glisa Consolidation
 Project Description: Consolidation of existing EMP's in terms of the MPRDA, NEMA Basic Assessment and NWA applications, to consolidate the EMPs for the existing operations, and authorise new infrastructure and mine plan.
 Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, update of financial provision for closure, budget control and invoicing.
 Value of Project: ±R2 500 000.00

Location: Stilfontein, North West Province, South Africa
 Project duration & year: 2010
 Client: Mine Waste Solutions
 Name of Project: Interim Deposition Strategy on MWS Dam 4
 Project Description: As a result of potential delays in the environmental authorisation process for a proposed mega tailings facility, there was a need to authorise an existing tailings dam to receive tailings as a potential interim deposition strategy in terms of the MPRDA and NWA applications.
 Job Title and Duties: Project Manager – client contact, timeframe coordination, authority and stakeholder consultation, drafting of documents, update of financial provision for closure, budget control and invoicing.
 Value of Project: ±R200 000.00

Location: Near Piet Retief & Wakkerstroom, Mpumalanga, South Africa
 Project duration & year: 2010
 Client: Kangra Coal Mines
 Name of Project: Kusipongo Baseline Risk Assessment and Site Selection Process
 Project Description: Proposed
 Job Title and Duties: Project Manager – client contact, appointing of specialists, timeframe coordination, authority and stakeholder consultation, specialist and consultant management, drafting and review of documents, budget control and invoicing.
 Value of Project: ±R1 000 000.00

Location: Near Cape Town and Stellenbosch, Western Cape, South Africa
 Project duration & year: 2010; approximately 4 months
 Client: African Exploration, Mining and Finance Corporation (AEMFC)
 Name of Project: AEMFC Prospecting Rights
 Project Description: Application for Prospecting Rights in terms of the MPRDA
 Job Title and Duties: Project Manager – client contact, timeframe coordination, authority and stakeholder consultation, drafting of documents, budget control and invoicing.
 Value of Project: ±R400 000.00

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Key Experience: Environmental authorisation processes

Location: Orkney, North West Province, South Africa
 Project duration & year: 2009, approximately 2 months
 Client: Buffelsfontein Gold Mine
 Name of Project: Tau Lekoa EMP consolidation
 Project Description: Consolidation of existing EMPs for the Tau Lekoa mine
 Job Title and Duties: Project Manager – client contact, timeframe coordination, authority and stakeholder consultation, drafting of documents, update of financial provision for closure, budget control and invoicing.
 Value of Project: ±R 200 000.00

Location: Bethal, Mpumalanga, South Africa
 Project duration & year: 2009, approximately 1 year
 Client: Total Coal South Africa
 Name of Project: Forzando North
 Project Description: The proposed establishment of a new tailings storage facility and conveyor at the existing Forzando North mine.
 Job Title and Duties: Project Manager – client contact, timeframe coordination, authority and stakeholder consultation, drafting of documents, update of financial provision for closure, budget control and invoicing.
 Value of Project: ±R1 200 000.00

Location: Stilfontein, North West Province, South Africa
 Project duration & year: 2008 - 2010
 Client: Mine Waste Solutions
 Name of Project: Mega Tailings Storage Facility
 Project Description: The site selection and authorisation of a mega tailings storage facility to accommodate the reworked tailings of the existing Mine Waste Solutions, and Buffelsfontein Gold Mines tailings dams. The project involved authorisation in terms of the MPRDA, NEMA and NWA legislation.
 Job Title and Duties: Environmental Consultant –authority and stakeholder consultation, drafting of documents, budget control and invoicing.
 Value of Project: ±R3 000 000.00

Location: Stilfontein, North West Province, South Africa
 Project duration & year: 2008 – 2010
 Client: Buffelsfontein Gold Mines Limited
 Name of Project: BGM EMP Conversion & Amendment
 Project Description: Conversion amendment application of existing rights in terms of the MPRDA.
 Job Title and Duties: Environmental Consultant –authority and stakeholder consultation, drafting of documents, budget control and invoicing.
 Value of Project: ±R300 000.00

Location: Mooiwooi, North West Province, South Africa
 Project duration & year: 2008
 Client: Team 6 Mineral and Energy Resources
 Name of Project: Team 6 Buffelspoort Prospecting Right Application
 Project Description: Application for Prospecting Rights in terms of the MPRDA
 Job Title and Duties: Environmental Consultant –authority and stakeholder consultation, drafting of documents, budget control and invoicing.
 Value of Project: ±R100 000.00

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Key Experience: Environmental authorisation processes

Location: Lephalale, Limpopo, South Africa
 Project duration & year: Annual EMP Audits 2007 - 2013 (approximately 1 month duration per audit)
 Client: Anglo Thermal Coal
 Name of Project: Bultklip Coal Bed Methane Pilot Project
 Project Description: Annual EMP audit on the existing Bultklip Coal Bed Methane Pilot Project Authorisation;
 Job Title and Duties: Project Manager – client contact, timeframe coordination, drafting of audit report, update of Financial Provision.
 Value of Project: ±R50 000.00

Location: Westonaria, Gauteng, South Africa
 Project duration & year: 2007, approximately 1 year
 Client: First Uranium South Africa
 Name of Project: Ezulwini Prospecting Right Application
 Project Description: Application for Prospecting Rights in terms of the MPRDA
 Job Title and Duties: Environmental Consultant –authority and stakeholder consultation, drafting of documents, budget control and invoicing.
 Value of Project: ±R200 000.00

Location: Stilfontein, North West Province, South Africa
 Project duration & year: 2007, approximately 1 year
 Client: Buffelsfontein Gold Mine
 Name of Project: Buffelsfontein Prospecting Right Application
 Project Description: Application for Prospecting Rights for uranium for the existing Buffelsfontein Gold Mines
 Job Title and Duties: Environmental Consultant –authority and stakeholder consultation, drafting of documents, budget control and invoicing.
 Value of Project: ±R200 000.00

Location: Stilfontein, North West Province, South Africa
 Project duration & year: 2007, approximately 1 year
 Client: Mine Waste Solutions
 Name of Project: MWS 3 Dump Prospecting Right Application
 Project Description: Application for Prospecting Rights for uranium for the existing 3 tailings storage facilities
 Job Title and Duties: Environmental Consultant –authority and stakeholder consultation, drafting of documents, budget control and invoicing.
 Value of Project: ±R200 000.00

Location: Near Port Edward, Eastern Cape, South Africa
 Project duration & year: 2007
 Client: Mineral Sands Resources
 Name of Project: Xolobeni: Mining Right
 Project Description: The project entailed the application for Mining Rights in terms of the MPRDA for four resource blocks.
 Job Title and Duties: Environmental Consultant – update of stakeholder consultation report.
 Value of Project: Unknown

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Key Experience: Environmental authorisation processes

Location: Utrecht, Kwazulu Natal, South Africa
 Project duration & year: 2006, approximately 4 months
 Client: Kangra Coal
 Name of Project: Klipspruit Colliery IWUL
 Project Description: Application for WUL for Klipspruit Colliery
 Job Title and Duties: Environmental Consultant – update of licensing forms, consultation with authorities.
 Value of Project: Unknown

Location: Utrecht, Kwazulu Natal, South Africa
 Project duration & year: 2006, approximately 4 months
 Client: Kangra Coal
 Name of Project: Umgala/Knights Hill Colliery IWUL
 Project Description: Application for WUL for Umgala/Knights Hill Colliery
 Job Title and Duties: Environmental Consultant – update of licensing forms, consultation with authorities.
 Value of Project: Unknown

Location: Utrecht, Kwazulu Natal, South Africa
 Project duration & year: 2006, approximately 4 months
 Client: Kangra Coal
 Name of Project: Aasvoelkrans Colliery IWUL
 Project Description: Application for WUL for Aasvoelkrans Colliery
 Job Title and Duties: Environmental Consultant – update of licensing forms, consultation with authorities.
 Value of Project: Unknown

Location: Piet Retief, Mpumalanga, South Africa
 Project duration & year: 2006, approximately 4 months
 Client: Kangra Coal
 Name of Project: Panbult Siding WUL
 Project Description: Application for WUL for Panbult Siding.
 Job Title and Duties: Environmental Consultant – update of licensing forms, consultation with authorities.
 Value of Project: Unknown

Location: Midrand, Gauteng, South Africa
 Project duration & year: 2006, approximately 2 months
 Client: Nestle/Valvita
 Name of Project: Nestle Water Use Authorisation
 Project Description: Update of water use authorisation for Nestle bottling plant.
 Job Title and Duties: Environmental Consultant – update of licensing forms, consultation with authorities.
 Value of Project: Unknown

Location: Mooinooi, Northwest Province, South Africa
 Project duration & year: 2006, approximately 2 months
 Client: Samancor Western Chrome Mines
 Name of Project: Mooinooi and Millsell WUL
 Project Description: Application for WUL for Millsell and Mooinooi operations
 Job Title and Duties: Environmental Consultant – update of licensing forms, consultation with authorities.
 Value of Project: Unknown