

Andrew Caddick

Senior Environmental Scientist


Profession

Senior Environmental Scientist

Education

Masters, Environmental Science, North West University, South Africa, 2015

BSc (Hons), Environmental Sciences and Development, North West University, South Africa, 2008

BSc, Physiology, Zoology, North West University, South Africa, 2004

**Registrations/
Affiliations**

Registration : Pr.Sci.Nat (400021/16) / Member: WISA, IAIA, WESSA, IWMSA

Specialisation

Environmental management and science extending from environmental impact assessments, environmental management plans, basic assessments, water use license, stakeholder engagement, to environmental compliance auditing, waste management/classification and GIS projects. Andrew has been involved with the compilation of Quantum for Financial Provision and rehabilitation assessments for the mining environment.

Expertise

Andrew has been in the field of environmental management for the past 7 years. He has obtained experience in the mining and industrial sectors, including projects in South Africa and Tanzania. His expertise includes:

- geographical information systems (GIS);
- hydrology as well as the national water act as applied in environmental management;
- has extensive knowledge of current legislation as applied to environmental management and EIA's including environmental audits;
- environmental impact assessments;
- environmental specialist inputs towards concept, pre-feasibility and feasibility studies;
- environmental compliance auditing;
- waste management plans and licenses;
- waste classification in terms of the national environmental management act (Act no. 59 of 2008);
- quantum for financial provision and rehabilitation in terms of the national environmental management act (Act No. 107 of 1998);
- water use license applications and audits;
- basic assessment reports;
- section 24 G applications in terms of the National Environmental Management Act;
- risk assessments;
- ISO 14001 document compilation and implementation;
- environmental management systems implementation including ISO 14001;
- project management and coordination, and stakeholder engagement in the mining and industrial sectors.

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Employment

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| 2009 - present | SRK Consulting (Pty) Ltd, Environmental Scientist, Pretoria |
| 2004 - 2005 | AngloGold Ashanti, Environmental Vocational Work |

Publications

Presentation at the Young Water Professionals Conference, 2012

Languages

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

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Key Experience: Environmental management and GIS

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| Location: | Uganda |
| Project duration & year: | 2 Years |
| Client: | PA Technical Services (Pty) Ltd |
| Name of Project: | Nkusi Hydro Power Project |
| Project Description: | Construction of a 10 Mega Watt Hydro Power Station within the Nkusi River within Uganda. |
| Job Title and Duties: | Environmental, Safety and Health Team Leader. Supervision of the site personnel and legal compliance in order to meet the strict requirements of the IFC Performance standards and Equator Principles. |
| Value of Project: | R 600 000 |
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| Location: | Pretoria |
| Project duration & year: | 2016 – 2017 |
| Client: | BP South Africa (Pty) Ltd |
| Name of Project: | Construction of Tank 17 |
| Project Description: | Environmental Control Officer |
| Job Title and Duties: | On site ECO, conducting performance assessments and Audits in accordance with the EMP and rectifying non-conformances. |
| Value of Project: | R200 000 |
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| Location: | Mpumalanga |
| Project duration & year: | 4 Months 2016 |
| Client: | Sasol South Africa (Pty) Ltd |
| Name of Project: | Environmental Control Officer for the construction of the N-Propanol plant extension. |
| Project Description: | Environmental Control Officer for the construction of the N-Propanol plant extension |
| Job Title and Duties: | On site ECO, conducting performance assessments and Audits in accordance with the EMP and rectifying non-conformances. |
| Value of Project: | R 200 000 |
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| Location: | Mpumalanga |
| Project duration & year: | 2 Year 2016 |
| Client: | Exxaro Coal (Pty) Ltd |
| Name of Project: | Environmental Authorisation for the extension of Pit 1, the pipeline from Dorsfontein West to Dorsfontein East and the disposal of discard into the opencast pit. |
| Project Description: | Environmental Authorisation, Water Use License, and Waste License for the Dorsfontein Mine. |
| Job Title and Duties: | Compilation of a closure cost estimate and financial provision for the Dorsfontein Operations, compilation of the EIA/EMP, Waste License, and Water Use License. Stakeholder engagement and specialist coordination was conducted as part of the project as the project management. |
| Value of Project: | R1.5M |
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| Location: | Mpumalanga |
| Project duration & year: | 1 Year 2016 |
| Client: | Universal Coal Investments |
| Name of Project: | Environmental Management Plan consolidation for the Roodekop Mining Area |
| Project Description: | EMP Amendment and Consolidation for the Roodekop Mining Area |
| Job Title and Duties: | Compilation of a closure cost estimate for the Universal Coal Investment EMP amendment and including the existing operations. |
| Value of Project: | R300 000 |

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| Location: | Pretoria, Gauteng |
| Project duration & year: | 1 Year 2016 |
| Client: | DMC Consulting (Pty) Ltd |
| Name of Project: | Doornpoort Water Use License |
| Project Description: | Water Use License for the Doornpoort residential development |
| Job Title and Duties: | Compilation of reports and coordination with specialists and client |
| Value of Project: | R80 000 |
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| Location: | Gauteng |
| Project duration & year: | 2015-2016 |
| Client: | Seton AuthoLeather (Pty) Ltd |
| Name of Project: | Commissioning of the Filter Press Plant and decommissioning of the sludge drying beds. |
| Project Description: | Waste License and Management Plan for the Decommissioning of the sludge drying beds and commissioning of the Filter Press Plant. |
| Job Title and Duties: | Environmental Scientist. Compilation of the Basic Assessment Report and process compliance. |
| Value of Project: | R250 000 |
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| Location: | Rustenburg |
| Project duration & year: | 2015-2016 |
| Client: | Omnia Fertiliser (Pty) Ltd |
| Name of Project: | Decommissioning of the Omnia Fertiliser Plant |
| Project Description: | Environmental Authorisation and Management Plan for the Decommissioning of the Omnia Fertiliser Plant. |
| Job Title and Duties: | Environmental Scientist. Compilation of the Basic Assessment Report and process compliance. |
| Value of Project: | R250 000 |
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| Location: | Witbank Mpumalanga |
| Project duration & year: | 2 Months 2015 |
| Client: | Vanchem |
| Name of Project: | Vanchem Calcine Dump Waste Audit |
| Project Description: | Audit in terms of the Waste Licence for the Calcine Dump |
| Job Title and Duties: | Conduct the audit and compilation of reports. |
| Value of Project: | R 40 000 |
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| Location: | Secunda Mpumalanga |
| Project duration & year: | 1 Year 2015 |
| Client: | Sasol Technology |
| Name of Project: | Sasol Environmental Authorisation for the NPA debottlenecking |
| Project Description: | Basic Assessment and Environmental Management Plan for the Sasol NPA debottlenecking project |
| Job Title and Duties: | Project Manager. Compilation of documents and coordination. |
| Value of Project: | R 200 000 |
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| Location: | Rustenburg North West Province |
| Project duration & year: | 3 years 2014 |
| Client: | Royal Bafokeng Platinum Limited |
| Name of Project: | Styldrift No. 2 Shaft Environmental Authorisation and Water Use License |
| Project Description: | Environmental Authorisation for the Styldrift No. 2 Shaft and associated infrastructure. |
| Job Title and Duties: | Compilation of reports and coordination with specialists and client |
| Value of Project: | R3M |

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Key Experience: Environmental management and GIS

Location: Rustenburg
 Project duration & year: 2013 – Ongoing
 Client: Royal Bafokeng Platinum (Pty) Ltd
 Name of Project: EMPR amendment for the inclusion of portions of the farm Frischgewaagd 96 JQ into the Styldrift Mining Right.
 Project Description: EMPR amendment for the inclusion of portions of the farm Frischgewaagd 96 JQ into the Styldrift Mining Right.
 Job Title and Duties: Environmental Scientist. Compilation of the EMPR amendment report.
 Value of Project: R300 000

Location: Rustenburg
 Project duration & year: 2013 – Ongoing
 Client: Royal Bafokeng Platinum (Pty) Ltd
 Name of Project: EIA and EMPR Amendment for the proposed extended Tailings Storage Facility and associated infrastructure.
 Project Description: EIA/EMPR Amendment
 Job Title and Duties: Environmental Scientist. Compilation of the Scoping report, EIA/EMPR and water use license. Coordination of specialist studies.
 Value of Project: R1.5M

Location: Belfast
 Project duration & year: 2013
 Client: Exxaro Resources (Pty) Ltd
 Name of Project: EIA/EMP for the proposed rail siding and associated infrastructure
 Project Description: Compilation of an EIA/EMP and Water Use License
 Job Title and Duties: Environmental Scientist. Project Management. Compilation of the Scoping Report, EIA/EMP and coordination of specialist studies.
 Value of Project: R300 000

Location: Secunda
 Project duration & year: 2013 – 2014
 Client: Sasol Technology (Pty) Ltd
 Name of Project: Basic Assessment and Water Use License for the realignment of the D 714 road
 Project Description: Basic Assessment Report.
 Job Title and Duties: Environmental Scientist. Compilation of the basic assessment report and water use license and coordination of specialist studies.
 Value of Project: R400 000

Location: Pretoria
 Project duration & year: 2013 – 2014
 Client: BP South Africa (Pty) Ltd
 Name of Project: Environmental Authorisation Amendment
 Project Description: Amendment to the Environmental Authorisation for the inclusion of Tank 17
 Job Title and Duties: Report compilation and coordination with authorities.
 Value of Project: R100 000

Location: Pretoria
 Project duration & year: 2013 – 2014
 Client: BP South Africa (Pty) Ltd
 Name of Project: Construction of Tank 16
 Project Description: Environmental Control Officer
 Job Title and Duties: On site ECO, conducting performance assessments and Audits in accordance with the EMP and rectifying non-conformances.
 Value of Project: R200 000

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Location: Rustenburg
 Project duration & year: 2012 – 2014
 Client: Royal Bafokeng Platinum (Pty) Ltd
 Name of Project: EMPR Amendment for the inclusion of the Styldrift ventilation shafts
 Project Description: EMPR Amendment.
 Job Title and Duties: Environmental Scientist. Compilation of the EMPR amendment.
 Value of Project: R200 000

Location: Rustenburg
 Project duration & year: 2012 – 2014
 Client: Royal Bafokeng Platinum (Pty) Ltd
 Name of Project: EMPR Amendment for the inclusion of the North Shaft Phase 3 Ventilation shaft.
 Project Description: EMPR Amendment
 Job Title and Duties: Environmental Scientist. Compilation of the EMPR amendment.
 Value of Project: R200 000

Location: Rustenburg
 Project duration & year: January – April 2012
 Client: Royal Bafokeng Resources, Anglo Platinum
 Name of Project: Portion 17 of the Farm Frischgewaagd 96 JQ prospecting EMP performance Assessment
 Project Description: EMP Performance Assessment of the Frischgewaagd prospecting EMP
 Job Title and Duties: Conducting the EMP performance assessment and writing the report.
 Value of Project: R50 000

Location: Rustenburg
 Project duration & year: January – April 2012
 Client: Royal Bafokeng Resources, Anglo Platinum
 Name of Project: Portions 10 and 14 of the Farm Frischgewaagd 96 JQ prospecting EMP performance Assessment
 Project Description: EMP Performance Assessment of the Frischgewaagd prospecting EMP
 Job Title and Duties: Conducting the EMP performance assessment and writing the report.
 Value of Project: R80 000

Location: Tanzania
 Project duration & year: 2012
 Client: African Barrick Gold
 Name of Project: Waste Management Plan
 Project Description: Compilation of a Waste Management Plan for African Barrick Gold.
 Job Title and Duties: Environmental Scientist. Assisting in the compilation of the Waste Management Plan for African Barrick North Mara Gold mine.
 Value of Project: R200 000

Location: Sasol, Secunda
 Project duration & year: 2012, 1.5 years
 Client: SASTECH/SASOL
 Name of Project: Basic Assessment for the Seepage Reduction Activities and Monitoring Weirs
 Project Description: Basic Assessment and Management Plan.
 Job Title and Duties: Environmental Scientist – Technical Support, Public Participation Process, Basic Assessment Compilation, EMP Compilation, Project coordinator.
 Value of Project: R300 000

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| Location: | Rustenburg |
| Project duration & year: | 2011 – Ongoing |
| Client: | Royal Bafokeng Resources, Anglo Platinum |
| Name of Project: | Styldrift UG2 |
| Project Description: | Environmental Control Officer |
| Job Title and Duties: | On site ECO, conducting performance assessments and Audits in accordance with the EMPR and rectifying non-conformances. Ensure compliance with all environmental legislation, ensure compliance with the company's environmental management system, implementation of the contract-specific environmental management plan, early identification and reporting of significant site-specific environmental risks, management of the interactions with landowners, environmental control of site activities, development and implementation of remediation and rehabilitation work. Good and timeous liaison with the client with regard to environmental matters. Identify or report deviations from the legislation or environmental management system, closure of non-conformance reports (NCR's) and corrective action report |
| Value of Project: | R500 000 |
| Location: | Rustenburg |
| Project duration & year: | 2011-2014 |
| Client: | Royal Bafokeng Platinum |
| Name of Project: | EIA/EMP Waste License and Water Use License |
| Project Description: | Compilation of a EIA/EMP, Waste and Water Use License for the proposed Tailings Facility, Sewage Treatment Plant, Water Treatment Plant and associated infrastructure. |
| Job Title and Duties: | Environmental Scientist. Compilation of the EIA/EMP, Waste and Water Use License, Specialist Coordination. |
| Value of Project: | R4M. |
| Location: | Secunda |
| Project duration & year: | 2011 - 2012 |
| Client: | SASOL Synfuels |
| Name of Project: | Basic Assessment for the Raw Water upgrade and boiler feed generation |
| Project Description: | Basic Assessment and Water Use License for the proposed Raw Water Intake and Boiler Feed Generation. |
| Job Title and Duties: | Compiling the BAR and EMP, Public Participation, and project management. |
| Value of Project: | R200 000 |
| Location: | Naboomspruit |
| Project duration & year: | 2 years, 2010 - 2012 |
| Client: | Min Metals |
| Name of Project: | Naboom EIA |
| Project Description: | Conducting an Environmental Impact Assessment, Public participation process and specialist studies. |
| Job Title and Duties: | Environmental Scientist – Technical Support, Public Participation Process, Screening report, EIA/EMP compilation. |
| Value of Project: | R2M – R3M |

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Location: SASOL, Secunda
 Project duration & year: 2010, 1.5 years
 Client: SASTECH/SASOL
 Name of Project: Fine Ash Dam 6 Environmental Impact Assessment
 Project Description: EIA/EMP
 Job Title and Duties: Environmental Scientist – Technical Support, Public Participation Process, EIA Compilation, EMP Compilation, Project manager assistant.
 Value of Project: R2M – R3M

Location: Rustenburg
 Project duration & year: 5 Years, 2009-2013
 Client: Royal Bafokeng Resources, Anglo Platinum
 Name of Project: Styldrift UG2
 Project Description: Alignment of the EMPR
 Job Title and Duties: Technical Support, Environmental Audit and performance assessments, Water Use Licence Application Audit and assistance. Report writing. Management of Air Quality monitoring and water sampling. Public participation involvement.
 Value of Project: R5M – R6M

Location: Limpopo
 Project duration & year: 2009 -2010, 1 year
 Client: Mogalakwena Local Municipality
 Name of Project: Mogalakwena BAR
 Project Description: Conducting a Basic Assessment report for the Bulk water pipeline in Mogalakwena Local Municipality.
 Job Title and Duties: Compilation of the basic assessment report. Compilation of the EMP, and impact assessment.
 Value of Project: R500.000

Location: Mpumalanga and Limpopo
 Project duration & year: 2008 – 2010, 3 years
 Client: Department of Water Affairs
 Name of Project: Development of Water Reconciliation strategies in the Northern areas of South Africa.
 Project Description: Development of water reconciliation strategies for the northern provinces of South Africa.
 Job Title and Duties: Environmental Scientist. Data collection and development of reconciliation strategies in Limpopo and Mpumalanga Local Municipalities.
 Value of Project: 3M