

APPENDIX M – CVS OF EAPS

MS NATASHA LALIE (REGISTERED EAP)



Professional Registrations:

- (EAPASA) Environmental Assessment Practitioners Association of South Africa

Position:

Senior Environmental Scientist

Specialisation:

- Screening Assessments
- Basic Assessments
- Scoping and Environmental Impact Reports (S&EIR'S)
- Water Use License Applications (WULA)
- Waste Management Licenses (WML)

Education:

- MSc. Environment and Society, 2002 University of Pretoria
- BSc. Hons, Geography, 2000 University of Kwa-Zulu Natal
- BSc. Botany and Geography, 1999 University of Kwa-Zulu Natal

Ms. Natasha Lalie

KEY EXPERIENCE

Ms. Natasha Lalie is an Environmental Assessment Practitioner (EAP) with 18 years of experience. She has undertaken numerous Exemption Applications, Screening Assessments, Basic Assessment Reports (BAR's), Scoping Reports, Environmental Impact Reports (EIR's) and Environmental Management Programmes (EMPr's), as required by the Environmental Conservation Act, 1989 (Act No. 73 of 1989) and the National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment (EIA) Regulations of 2006, 2010 and 2014 (as amended). Natasha has also undertaken Integrated Water Use Licence Applications (IWULA's) for a number of projects, as required by the National Water Act, 1998 (Act No. 36 of 1998). She has been involved in a wide range of projects, which included waste management, industrial, township establishments, mixed-use development, road upgrades, infrastructure developments, dam construction, change of land use, lodge developments, proposed bulk water pipelines, proposed transmission power lines, renewable energy projects, tourism and recreation, proposed filling stations and shopping centre developments.

PROJECT EXPERIENCE

2020 Polihali Dam and Appurtenant Works, Lesotho

Updating of the Construction Environmental Management Plan, Compilation of Environmental Specifications and Environmental Baseline Report for construction of the dam and appurtenant works for Lesotho Highlands Development Authority, Lesotho.

2018 Ngqeleni Electrification Phase 3, Eastern Cape

Basic Assessment (BA), General Authorisation (GA), Permit for construction in Coastal Conservation Area (CCA) and management of permit application for removal of Protected Trees in a natural forest for the proposed electrification of three villages i.e Egoli, Ntshintshani and Mdzweni, near Port St. Johns, Eastern Cape.

2018 Proposed upgrade of Collingwood School, Bluff, KwaZulu-Natal
Project Management for Screening Assessment

2018 - Proposed Advanced Water Treatment Demonstration Project, KwaZulu-Natal

Compilation of Final Scoping Report and Integrated WULA for the project site located at Central Waste Water Treatment Works (CWWTW) at Bluff.

2018 Proposed Support Precinct 2 Development, La Mercy, eThekweni, KwaZulu-Natal

Scoping and Environmental Impact Report (S&EIR) for the project located at La Mercy, eThekweni, KwaZulu-Natal

2017 Inyaninga Human Settlements Development, KwaZulu-Natal

S&EIR, Amendment of Environmental Authorisation (EA) and WULA for a mixed-use development in Tongaat, KwaZulu-Natal

2017 Proposed Trade Zone 2 development, La Mercy, KwaZulu-Natal

S&EIR for the project located at La Mercy, eThekweni, KwaZulu-Natal

2017 Proposed construction of the eThekweni Bus Rapid Transit (BRT), Phase 1 Route C1A from MR577 to the Chris Hani Road Interchange for the eThekweni Municipality, KwaZulu-Natal

IWULA for several wetland crossings

Compilation of IWULA and Integrated Water and Waste Management Plan (IWWMP) for Section 21(c) and 21(i) water use activities.

2016 Northern Aqueduct Phase 5, KwaZulu-Natal

BA and Water Use License Application (WULA) for the proposed Northern Aqueduct Phase 5 from Reservoir Hills to Duffs Road, Avoca, KwaZulu-Natal

2016 Phase 1A: Proposed Upgrade of Gravel Roads off Main Road, between Shakas Head and Shakas Rock, KwaDukuza Local Municipality, KwaZulu-Natal

Compilation of Screening Report and Specialist Management. Compilation of, and submission of EIA Enquiry with KZN EDTEA.

2016 Phase 1B: Proposed Proposed upgrade of Old Fort Road, upper Salt Rock Road and the western extent of Sheffield Beach Road, KwaDukuza, KwaZulu-Natal

Compilation of Screening Report and Specialist Management

2015 Proposed Okanhandja medical facility, Namibia

Compile Final Scoping Report and interpretation of Specialist Studies.

2014 – Proposed upgrade of N2 between Mthunzini Toll Plaza to the Empangeni T-Junction, , KwaZulu-Natal

BA, IWULA, Mining Permit Application and Mining Permit EMPr

PROJECT EXPERIENCE (continued)

- 2014** **Proposed construction of the Botshabelo Interchange, Manguang Local Municipality, Free State**
Basic Assessment and Specialist management.
- 2012** **Lower Thukela Bulk Water Supply Scheme, KwaZulu-Natal**
Scoping and Environmental Impact Reporting (S&EIR) process for the proposed Lower Thukela Bulk Water Supply Scheme from Mandini to KwaDukuza, KwaZulu-Natal
- 2013 -Proposed Transnet Waste Tyre Storage Facility, Bayhead, KwaZulu-Natal**

BA and Waste Management License (WML)
- 2013** **Proposed expansion of the Wastewater Treatment Works in Prospecton, KwaZulu-Natal**
S&EIR Process for WML.
- 2013** **Proposed Wastewater Treatment Works for a snack facility in Prospecton, KwaZulu-Natal** BA for WML
- 2013** **Proposed Giant Flag Development, Graaf-Reinet, E. Cape**
S&EIR process
- 2012** **Proposed construction of various solar plants in Northern Cape, Free State and Mpumalanga**
Public Participation Process Practitioner.
- 2010** **Proposed eThekweni Variable Message Signs (VMS) and surveillance cameras along the N2 and N3 falling within the eThekweni Municipal Boundary, KwaZulu-Natal**
BA process.
- 2010** **Proposed Construction of Four Causeways in the Ugu District Municipality, KwaZulu-Natal**
Project Management and BA process.
- 2009** **Proposed upgrade of Road P73 near Mthwalume, , KwaZulu-Natal**
Project Management and Basic Assessment process.
- 2009** **Proposed upgrade and construction of local roads and causeways at DC21 in Ugu District Municipality, KwaZulu-Natal**
Project Management and Basic Assessment process.
- 2009** **Proposed P58 road upgrade in Izingolweni near Port Shepstone, KwaZulu-Natal**
Project Management and Basic Assessment process.
- 2008** **Proposed extension of the existing emergency storage dam at the Alton macerator site in Richards Bay, Umhlathuze Local Municipality, KwaZulu-Natal**
Project Management and Basic Assessment process.
- 2008** **Proposed upgrade of the existing Sugar Ray Xulu Stadium, Claremont, KwaZulu-Natal**
Project Management and Basic Assessment process.
- 2008** **Proposed construction of Qoloqolo Pedestrian Bridge in Mthwalume, KwaZulu-Natal**
Project Management and Basic Assessment process.
- 2008** **Proposed Spencer – Tabor 275 KV transmission power line, near Duiwelskloof, Limpopo**
Compilation of Scoping and EIR.
- 2008** **Proposed residential resort and golf course at the K'Shani Nature Reserve in Mpumalanga**
Compilation of Scoping and EIR.
- 2006** **Proposed township establishment: Annlin Extension 117 in Tshwane, Gauteng**
Compilation of Exemption Report.
- 2006** **Proposed road upgrade at the Road D374 and Road D540 Intersection at Muldersdrift in Gauteng**
Compilation of Exemption Report.

- 2005 Proposed change of land use from “Agricultural” to “Residential 5”, Gauteng**
Compilation of Exemption Report.
- 2005 Proposed establishment of lodges on a portion of the farm Lekkergoed, Limpopo**
Compilation of Scoping Report
- 2005 Proposed establishment of Pomona Extension 81, Pomona, Gauteng**
Compilation of Scoping Report
- 2005 Proposed establishment of a residential development in Pomona Extension 1, Gauteng**
Compilation of Scoping Report
- 2005 Proposed township establishment - “Cashan Ext. 17, Rustenburg, North-West Province**
Compilation of Scoping Report
- 2005 Proposed office park/light industrial development in Jetpark, Gauteng**
Compilation of Scoping Report
- 2005 Proposed upgrading of a homestead at the Rietvlei Nature Reserve, Tshwane, Gauteng**
Compilation of Exemption Report.
- 2005 Proposed upgrade of the existing gravel roads at the Lesetlheng Village**
Compilation of Exemption Report.
- 2004 Proposed upgrading and re-alignment of Road D2721 between Sonop and Segwaelane Townships, Brits, North West Province**
Compilation of Scoping Report
- 2004 Proposed Bushlodge at the Marakele Park (Pty) Ltd, Limpopo Province**
Compilation of Scoping Report
- 2004 Compost handling facility, in Bartlett, Boksburg, Gauteng**
Compilation of Scoping Report
- 2004 Proposed establishment of a resort in Swartruggens, North West Province**
Compilation of Scoping Report.
- 2004 Proposed shopping centre in Kempton Park; Gauteng**
Compilation of Scoping Report.
- 2004 Proposed Mixed-Use Development on Forest Farm, Gauteng**
Compilation of Scoping Report.
- 2004 Township Establishment in Brakfontein, Centurion, Gauteng**
Compilation of Scoping Report.
- 2004 Rezoning and alienation of a park in Laudium, Tshwane, Gauteng**
Compilation of Exemption Report.
- 2004 Rezoning and alienation of a park in Meyers Park, Tshwane, Gauteng**
Compilation of Exemption Report.
- 2004 Proposed desilting of the Alberton Dam, Gauteng**
Compilation of Scoping Report.
- 2003 Widening of London Road and the upgrading of a bridge across the Jukskei River, Alexandra, Gauteng**
Compilation of Exemption Report.
- 2003-2004 Proposed Waste Transfer Station in Nigel, Gauteng**
Application for Waste Disposal Site Permit under Section 20 of the Environment Conservation Act, 1989 (Act No.73 of 1989, and Addendum to the Scoping Report and EMPr. Compilation of Operational and Monitoring Plan
- 2003 Sustainable Rural Settlement, Mogale City, Gauteng**
Compilation of Concept Document.



PROFESSIONAL SOCIETIES

Registered EAP – EAPASA

EMPLOYMENT RECORD

2021 - Present	Zitholele Consulting	Senior Environmental Scientist
2015 - 2021	Gibb Engineering and Architecture (Pty) Ltd	Senior Environmental Scientist
2007 - 2015	Strategic Environmental Focus (Pty) Ltd	Environmental Manager (Durban Office)
2003 - 2007	Strategic Environmental Focus (Pty) Ltd	Environmental Manager (Pretoria Office)

DR MATHYS VOSLOO



Dr. Mathys Vosloo

Professional Registrations:

- (SACNASP) South African Council for Natural Scientific Professions
- (IAIAsa) International Association for Impact Assessment – South Africa

Position:

- Environmental Divisional Head

Occupation:

- Senior Environmental Scientist

Specialisation:

- Environmental and Social Impact Assessments
- Water Use Licence Applications
- Waste Management Licence Applications
- Environmental Compliance Audits
- Estuarine Ecological Assessments
- Project Management and GIS

Education:

- Ph.D., Zoology, 2012 Nelson Mandela Metropolitan University
- M.Sc., Zoology, 2003 University of Port Elizabeth
- B.Sc. Hons, Zoology, 2001 University of Port Elizabeth
- B.Sc., Zoology and Botany, 2000 University of PE

KEY EXPERIENCE

Dr. Mathys Vosloo is a well-qualified and technically proficient environmental and natural scientist with more than 16 years environmental management experience. His experience include Environmental Impact Assessments (EIAs), Water Use Licence Applications (WULAs), Waste Management Licence (WML) Applications Environmental Management Programmes, environmental compliance auditing and environmental compliance monitoring and reporting.

Mathys has managed and executed several large-scale multi-disciplinary construction projects, such as the development of Ash Disposal Facilities, Flue gas Desulphurisation (FGD) development, and large linear projects including 132kV and 400kV power line power lines development projects.

Mathys also has substantial experience in Geographical Information Systems (GIS), and creating and analysing digital terrain models. Further experience include strategic waste management projects, State Of the Environment Reporting (SOER), Strategic Environmental Assessments (SEA) and feasibility studies.

Mathys' experience in natural science include estuarine ecological assessments, contributions to Water Resource Classification and Resource Quality Objectives studies.

PROJECT EXPERIENCE

2021	Carlswald Pipeline Upgrade	R 143 245
	Basic Assessment and Water Use Licence Application for the proposed upgrade of a water pipeline in Carlswald, Gauteng Province.	
2020 - 2021	Kap River Nature Reserve Upgrade Screening	R 46 000
	Environmental Screening for the proposed upgrade of the Kap River Nature Reserve to accommodate local tourists for a natural environment experience.	
2020 – 2021	Lanseria WWTW Biodiversity Offset	R 1.83m
	Biodiversity Offset process for the Lanseria Wastewater Treatment Works Development outside Lanseria.	
2020 - 2021	Lanseria WWTW Part 2 EA Amendment	R 200 000
	Part 2 Environmental Authorisation Amendment process for the Lanseria Wastewater Treatment Works Development Environmental Authorisation.	
2020 - 2021	Lanseria WWTW WUL Amendment	R 30 000
	Water Use Licence (WUL) Amendment process for the Lanseria Wastewater Treatment Works Development WUL.	

PROJECT EXPERIENCE (continued)

2019 – 2021	PPP for Springfield Greenfields Coal Mine	R 354 000
	Public Participation Process (PPP) for the EIA Phase of the Springfield greenfield coal mining operations located between Vereeniging and Meyerton, Gauteng.	
2020	Zimalco EMPr Update and SWMMP	R 33 300
	EMPr update and compilation of Stormwater Monitoring and Management Plan for the Recycling of Hazardous Waste at the Zimalco Aluminium Waste Management Facility.	
2019 – 2021	Thukela Catchment WRC & RQOs: Estuary Component	R 150 000
	Determination of Water Resource Classes and Associated Resource Quality Objectives in the Thukela Catchment: Estuary Component.	
2019	ACED Environmental Compliance Audits	R 115 600
	Environmental Compliance Audits for African Clean Energy development (ACED)'s Bokamoso, Droogfontein II, Waterloo and Zeerust Photovoltaic Energy Facilities.	
2019	NCP Chlorchem Three Wastes Classification	R 134 000
	Waste Classification, Safety Data Sheets and Waste Manifests for NCP Chlorchem's Chlorine / Caustic, Chlorinated Paraffin and Ferric Plant waste streams, Gauteng Province.	
2019	Boksburg Foundry Environmental Compliance Audit	R 12 000
	External Compliance Audit of Boksburg Foundry's Waste Management Licence, Environmental Authorisation and Environmental Management Programme.	
2019	Hendrina Power Station AEL Audit	R 19 750
	Environmental Compliance Audit for Hendrina Power Station's existing Atmospheric Emission Licence, Mpumalanga Province.	
2019	Matimba Dust Fall-out Monitoring	R 160 000
	Management and Review of Dust Fall-out Monitoring (2018 to 2020) at Medupi Power Station, Limpopo Province.	
2019	BA and WULA for Bushkoppies WWTW expansion	R 36 000
	Basic Assessment and Water Use Licence Application for the proposed expansion of the existing Bushkoppies Wastewater Treatment Works, Gauteng Province.	
2019	Eskom Telecommunications Legal Audit	R 36 000
	Environmental Legal Compliance Audit for Eskom Telecommunications' Simmerpan Facility, Gauteng Province.	
2019	NCP Chlorchem Waste Assessment	R 128 000
	Waste Assessment of Waste Sources at NCP Chlorchem's North Dump, South Dump and Little Gorge.	
2018	Hendrina PS AEL and WML Audit	R 28 000
	Environmental Compliance Audit for Hendrina Power Station's existing Atmospheric Emission Licence and Waste Management Licence, Mpumalanga Province.	
2018	Arnot PS IWUL Audit	R 40 000
	Integrated Water Use Licence Compliance Audit for Arnot Power Station, Mpumalanga Province.	
2018 – 2020	Medupi Dust Fall-out Monitoring	R 430 000
	Management and Review of Dust Fall-out Monitoring (2018 to 2020) at Medupi Power Station, Limpopo Province.	
2018 - 2019	WML for Fibre Recovery Plant	R 120 000
	Waste Management Licence and Basic Assessment Process for the development of a Cellulosic Fibre Recovery Plant in Wadeville, Germiston.	
2018 - 2019	WULA for Consol Glass Furnace Development	R 50 000
	Water Use Licence Application for the development of an additional furnace at Consol Glass plant in Nigel, Gauteng Province.	

PROJECT EXPERIENCE (continued)

2018 - 2019	Consol Glass MES Postponement Applications	R 324 000
Applications for postponement of Minimum Emission Standards Compliance timeframes for Consol Glass Plants in Nigel, Wadeville and Clayville, Gauteng Province.		
2017 - 2019	Medupi PS FGD EIA, WML Variation and WULA	R 5.9 million
Environmental Impact Assessment, Waste Management Licence Variation and Water Use Licence Application for the Medupi Power Station's Flue Gas Desulphurisation Plant and associated infrastructure, Limpopo Province.		
2018 - 2019	Duvha PS Integrated Water Use Licence and WUL Amendment	R 566 000
Water Use Licence Application and amendment of existing water uses at the Eskom Duvha Power Station, Mpumalanga Province.		
2017 - 2018	Wetland Offset Plan and Public Participation for Kusile PS 60year Ash Disposal Facility	R 2.8m
Public participation process for Wetland Offset Strategy and Wetland Offset implementation Plan for the Kusile Power Station 60year Ash Disposal Facility.		
2017 - 2019	BA for KEMJV slimes pipeline	R 230 000
Basic Assessment for construction of slimes pipeline for Kimberley Ekapa Mine Joint Venture, Northern Cape.		
2016 – 2018	Medupi Dust Fall-out Monitoring	R 390 000
Management and Review of Dust Fall-out Monitoring (2016 to 2018) at Medupi Power Station, Limpopo Province.		
2016 - 2017	Asbestos Mine Rehabilitation Programme	R 1.3 million
Undertaking environmental site investigations and project scoping for the rehabilitation of 10 derelict and abandoned asbestos mines in Limpopo and Mpumalanga Provinces.		
2018	Kusile PS Gypsum Waste Classification	R 46 000
Waste Classification of gypsum from Kusile Power Station's Flue gas Desulphurisation Plant, Mpumalanga Province.		
2016 - 2017	Eskom Ash WML Exemption Application	R 1.9 million
Motivation for the application for exemption of waste management activity licences for specific uses of pulverised coal fired boiler ash in terms of GN R. 634.		
2016 - 2017	EA Amendment for Kuruman Powerline Upgrade	R 60 000
EA Amendment application i.t.o. EIA 2014 regulations for amendment to the approved 132 kV powerline corridor between Hotazel, Kuruman and Kathu, Northern Cape.		
2016	Breede-Gourits CMS: Estuarine component	R 81 000
Estuary Situation Assessment to inform the Breede-Gourits Catchment Management Strategy for Breede-Gourits Water Management Area.		
2016 - 2017	BA for Tshepisoong Extension 4 development	R 198 000
Basic Assessment for Mixed Business and Residential Development within Portion 64 of Farm Vlakfontein 238 IQ, Tshepisoong Extension 4, Johannesburg West, Gauteng Province.		
2016 - 2017	BA for Patensie Housing Development	R 283 000
Basic Assessment for the Patensie Housing Development, Eastern Cape.		
2016	Specialist Walkdown for Kuruman Powerline upgrade	R 355 000
Specialist walkdown of approved 132 kV powerline servitude between Hotazel and Kuruman, Northern Cape.		
2016	Solar Park EA Amendment	R 248 000
Environmental Authorisation (EA) Amendment application i.t.o. EIA 2014 regulations for amendments to the Solar Park to Nieuwehoop 400 kV power line corridor near Upington, Northern Cape.		
2015 - 2016	Solar Park WULA and Specialist Walkdown	R 547 000
Water Use Licence Applications and specialist servitude walkdowns for Solar Park to Nieuwehoop 400 kV powerline development near Upington, Northern Cape.		

PROJECT EXPERIENCE (continued)

2015 - 2016	BA Clanwilliam Weirs	R 409 000
Proposed Re-alignment of the Bulshoek Dam and Doring River Weirs near Clanwilliam, Western Cape.		
2014 - 2016	EIA Koffiefontein Slimes Dam	R1 million
EIA for the new Koffiefontein Slimes Dam Development, Kimberley.		
2014 - 2015	BA and WULA Kuruman Upgrade	R1.3 million
BA and WULA for 132kV power line upgrade from Hotazel to Kuruman and Kathu, Northern Cape.		
2013 - 2016	EIA Kendal 30 year Ash Disposal Facility	R6 million
EIA, WMLA and WULA for a new Ash Disposal Facility for Kendal Power Station near Ogies in Mpumalanga.		
2013 - 2014	Design of 3 canals	R 700 000
3 x BAs for the proposed prevention of water ingress into previously mined out areas in the Witwatersrand Mining Basin (canalisation of 3 streams), Gauteng.		
2013 - 2014	BA for Vaalbank Switching Station	R 380 000
Basic Assessment for Vaalbank Switching Station and 2 x 88 kV Powerlines, Free State.		
2012 - 2015	EIA Solar Park	R5 million
EIA, EMP &WULA for the Solar Park 132/400 kV Sub Station and Associated lines, Northern Cape.		
2012 - 2015	Kusile 60 year Ash Disposal Facility	R11 million
EIA, WML and WULA for the 60 year Ash Disposal Project near Balmoral in Mpumalanga.		
2012 - 2015	WULA Wilge Pipeline	R 900 000
WULA for the sewage and water pipeline from Wilge Township to Phola, Mpumalanga.		
2012	BA Kouga Dam Wall	R 250 000
The rehabilitation of the Kouga Dam wall and associated mining activities.		
2012	EMP City of Cape Town Stormwater	R1.5 million
Maintenance and management interventions undertaken by the City of Cape Town in its surface stormwater systems.		
2012	BA Melkhout Powerlines	R 100 000
The installation of 132kV transmission lines from Melkhout to Dieprivier, including the construction of a new substation at Dieprivier, Cacadu District.		
2012	BA Dieprivier Powerlines	R 100 000
The installation of 132kV transmission lines from Dieprivier to Kareedouw, including the extension of the existing substation at Kareedouw, Cacadu District.		
2012	BA Patensie Powerlines	R 100 000
The installation of 132kV transmission lines from Melkhout to Patensie, including the construction of a new substation at Patensie, Cacadu District.		
2012	Mmthatha River System	
Catchment delineation and stream calculation for the Mnthatha River System, GIBB Durban.		
2011 - 2012	PRASA Passenger rail and shunting yard proposed sites	
Environmental Screening for the PRASA passenger rail and shunting yard proposed sites in Cape Town, Gauteng and Durban.		
2010 - 2012	ATTP Flow Limiters installation	
NMBM Assistance to the poor (ATTP) and schools leakages repairs and flow limiters installation.		
2010 - 2012	ATTP Database ManagementFlow Limiters installation	R4 million
NMBM Assistance to the poor (ATTP) and schools leakages repairs and flow limiters installation database management.		

PROJECT EXPERIENCE (continued)

2010 - 2011 Nelson Mandela Bay Provincial Department of Housing	
Nelson Mandela Bay and Cradock low cost housing rectification audits. Management of incoming and outgoing GIS data and GIS mapping, Provincial Department of Housing.	
2010 - 2011 ECO Bulk Stormwater Infrastructure Motherwell	
Installation of bulk storm water infrastructure in Motherwell NU29 and 30 and Implementation of an artificial wetland at the Motherwell stormwater canal outlet structure.	
2010 BA McAdam Street Upgrade	R 60 000
The extension of McAdam Street from Worraker to Mangold Street, NMBM.	
2009 - 2011 EIA Motherwell Housing Development	R 270 000
Motherwell NU 31 housing development, NMBM.	
2009 - 2011 Coega Integrated Stormwater Management Plan	
Coega IDZ Eastern Sector Integrated Stormwater Management Plan, Coega Development Corporation.	
2009 - 2011 EIA KougaWind Farm	R 350 000
Kouga 300 MW wind farm, Kouga Local Municipality.	
2009 - 2010 ECO Swartkops River Artificial Wetland	
Swartkops River, NMBM.	
2009 - 2010 ECO Humewood Road Upgrade	
Realignment of the S-bend section of Humewood Road in Humewood.	
2009 - 2010 ECO Paapenuils Sewer Augmentation	
Paapenuils Main Sewer Augmentation in Port Elizabeth NMBM.	
2009 - 2010 SOER State of the Environment Report	R 350 000
NMBM State of the Environment Report.	
2009 - 2010 ISWMP Coega IDZ	R 350 000
Coega IDZ Eastern Sector Integrated Stormwater Management Plan, CDC.	
2009 - 2010 SOER Flood Plain and Spatial Analysis	
Nelson Mandela Metropolitan Municipality SOER flood plain and spatial analysis, NMBM.	
2009 - 2010 EIA – Red Cap Developments	
Kouga Local Municipality wind farm development EIA, RedCap Developments.	
2008 - 2009 Port Harcourt City Open Space System Plan	
Port Harcourt City Open Space System Plan, Government of Nigeria.	
2008 - 2009 ECO Kwazakhele stormwater infrastructure	
Construction of stormwater detention ponds and upgrading of stormwater infrastructure in Kwazakhele, Phase 3.	
2008 ECO Sherwood Road Upgrade	
Upgrading of Devon and Fairley Roads in Port Elizabeth, NMBM.	
2008 OR Tambo District Municipality water conservation and demand management	
OR Tambo District Municipality water conservation and demand management.	
2008 SOER Eden District Municipality	
Eden District Municipality SOER, Eden District Municipality.	
2008 Kouga Local Municipality catchment and flood attenuation analysis	
Jeffreys Bay Marina Martinique catchment and flood attenuation analysis, Kouga Local Municipality.	
2008 EIA Bethelsdorp Housing Development	R 230 000
Bethelsdorp Phase 3 social housing development, NMBM.	
2008 BA Beacon Maritime Navigational Structure Upgrade	R 60 000
Beacon maritime navigational structure upgrading, NMBM.	

PROJECT EXPERIENCE (continued)

2008	BA Moffet Dam Rehabilitation	R 60 000
	Moffet Dam breach remedial works, Kouga Local Municipality.	
2008	BA Pollok Beach light mast installation	R 50 000
	Pollok Beach light mast installation, NMBM.	
2008	BA Humewood Road Re-alignment	R 60 000
	Humewood Road re-alignment along the S-bend section, NMBM.	
2008	SOER Hessequa Local Municipality	R 200 000
	Hessequa Local Municipality State of the Environment Summary Report.	
2008	SEA Coastline redevelopment	R 250 000
	North End Coastline redevelopment SEA, NMBM.	
2008	Mzimkhulu River catchment and flood attenuation analysis	
	Mzimkhulu River catchment and flood attenuation analysis, Umzimkhulu Municipality.	
2008	PE Paapenkuils River catchment and flood attenuation analysis	
	Port Elizabeth Paapenkuils River catchment and flood attenuation analysis, NMBM.	
2007 - 2008	ECO Mavuso Road Upgrade	
	Construction of Mavuso Road in Kwazakhele, NMBM.	
2007	BA Jagersfontein Chicken Farm	R 40 000
	Jagersfontein farm 432 commercial production of chicken and operation of an abattoir, Kouga Local Municipality.	
2007	BA Zwide Roads Upgrade	R 55 000
	Tarring of roads in Zwide, NMBM.	
2007	BA McAdam Street Construction	R 40 000
	Construction and extension of McAdam Street, NMBM.	
2007	BA Tygerbay Reconstruction	R 60 000
	Repair and reconstruction of water retaining structures at Tyger Bay EIA NMBM.	
2007	BA Lorraine Infill development	R 40 000
	Erf 306 Lorraine Infill development, NMBM.	
2007	BA Sherwood Roads Upgrade	R 40 000
	Tarring of roads in Sherwood, NMBM.	
2007	BA Zwide Roads Upgrade	R 40 000
	Tarring of Ntsele, Mkutuka, Nanto and Vabaza Streets in Zwide, NMBM.	
2007	BA Pollok Beach Parking Lot	R 50 000
	Pollok Beach, Summerstrand, parking lot relocation, NMBM.	
2007	BA Uitenhage Roads Upgrade	R 40 000
	Tarring of Dube, Grootboom and Luzipho Streets in Uitenhage, NMBM.	
2007	BA PE ICC Site Assessment	R 150 000
	Port Elizabeth International Convention Centre Rapid site assessment, NMBM.	
2007	EIA Exemptions Applications Motherwell	
	Motherwell/Coega outfall canal upgrade.	
2007	EIA Exemptions Applications Lorraine Infill Development	
	Erf 17, Lorraine, infill development.	
2007	EIA Exemptions Applications Korsten Upgrade	
	Korsten Modal Interchange Upgrade.	
2007	GIS SANRAL outdoor advertising opportunities	
	SANRAL outdoor advertising opportunities in the Eastern Cape, SANRAL.	

PROJECT EXPERIENCE (continued)

- 2007 Coega Integrated Stormwater Plan**
Coega Integrated Stormwater Plan, Coega Development Corporation.
- 2007 Uitenhage Stormwater Master Plan**
Uitenhage Stormwater Master Plan, NMBM.
- 2006 Nelson Mandela Metropolitan University exchange programme**
Analyses and identification of nematode collected samples from the Mngazi Estuary in the Eastern Cape (former Transkei), South Africa, University of Ghent, Belgium – Nelson Mandela Metropolitan University exchange programme.
- 2005 - 2006 Berg River Reserve Determination Study R 150 000**
Hyperbenthos and zooplankton field assessment in Berg River estuary.
- 2005 Olifants River Reserve Determination Study, Western Cape R 300 000**
Specialised field ecologist - Field assessment: subtidal macrozoobenthos, hyperbenthos and zooplankton in Olifants River estuary for the Olifants River Reserve Determination study, Western Cape., Contracted sampling for CSIR Stellenbosch (Environmentek).
- 2004- 2005 DWAF - Kromme and Seekoei Estuary Reserve Determination Study R 200 000**
Specialised field ecologist - Kromme and Seekoei Estuary Catchment Reserve Study. Contracted sampling for Department of Water Affairs and Forestry (DWAF).
- 2003 - 2004 Berg River Baseline Monitoring Program (UCT) R 350 000**
Berg River Baseline Monitoring Program (UCT). Collecting subtidal macrozoobenthos.
- 2002 - 2006 University of Port Elizabeth Ecological analysis R4 million**
Specialised field ecologist - Field assessment: subtidal macrozoobenthic and hyperbenthic invertebrates, zooplankton, microzooplankton, meiofauna at Mngazi and Mngazana River estuaries.
- 2002 - 2003 University of Port Elizabeth Ecological analysis**
Ecological analysis of the functioning Sundays, Swartkops, Kromme, and Gamtoos estuaries using Ecopath with Ecosim, and assessment of the impact of recreational fishing on these ecosystems. MSc dissertation, University of Port Elizabeth.
- 2002 Field assessment: subtidal macrozoobenthos, hyperbenthos and zooplankton in Rooiels R 400 000**
Specialised field ecologist - Field assessment: subtidal macrozoobenthos, hyperbenthos and zooplankton in Rooiels, Palmiet, Heuningnes, Breede, Klein Brak and Kaaimans River estuaries, Western Cape.
- 2002 Field Assessment - intertidal invertebrates Eastern Cape R 150 000**
Specialised field ecologist - Field assessment: intertidal invertebrates in Kabeljous, Gamtoos, Swartkops, Sundays and Kariga River estuaries, Eastern Cape.

PAPERS, PUBLICATIONS, PRESENTATIONS AND PROFESSIONAL SOCIETIES

PAPERS, PUBLICATIONS

1. Vosloo, M C and Hendricks, M G J. 2017. Marine and estuarine nematodes in South Africa, Book Chapter. In *Nematology in South Africa: A view from the 21st Century*. Fourie, Spaul, Jones, Daneel, De Waele (Eds).
2. Vosloo, M.C. 2012. Network analysis of trophic linkages in two sub-tropical estuaries along the south-east coast of South Africa. PhD thesis, Nelson Mandela Metropolitan University.
3. Vosloo, M.C. 2009. Marine and estuarine meiofauna: Contribution to the National Marine Ecosystem Diagnostic Analysis. Agulhas and Somali Current Large Marine Ecosystems.
4. Vosloo, M.C. 2004. A comparative assessment of the impact of recreational and subsistence fishing on selected Eastern Cape estuarine ecosystems using the Ecopath modelling approach. MSc Dissertation, University of Port Elizabeth, Port Elizabeth.

PROFESSIONAL SOCIETIES

1. Member of International Association for Impact Assessment – South Africa (IAIASa)
2. Registered member of South African Council for Natural Scientific Professions, (SACNASP)

EMPLOYMENT RECORD

2018 - Present	Zitholele Consulting	Environmental Divisional Manager
2013 - 2017	Zitholele Consulting	Manager: Licencing and Permitting, Senior Environmental Consultant
2012	GIBB Engineering and Science	Senior Environmental Scientist
2007 – 2011	GIBB Engineering and Science	Environmental Scientist
2008 – 2011	Nelson Mandela Metropolitan University	Postgraduate (part-time) Student
2005 – 2007	Nelson Mandela Metropolitan University	Full time Postgraduate (PhD) Student
2001 - 2003	University of Port Elizabeth	Full time postgraduate (MSc) Student
2006	University of Ghent, Belgium	Exchange Ecologist

MS JESSICA MORWASEHLA



Professional Registrations:

- SACNASP Candidate (121840)
- (IAIAsa) International Association for Impact Assessment – South Africa

Occupation:

- Environmental Assessment Practitioner

Specialisation:

- Project Administration
- PPP
- IWULA Application and Amendments
- ECO
- EIA Process
- GIS

Education:

- BSc (Environmental and Resource Studies), 2016, University of Limpopo Turfloop Campus

Jessica Morwasehla

KEY EXPERIENCE

Jessica Morwasehla is an Environmental Assessment Practitioner. She has 3 year working experience in the environmental field. Her competencies lie in ArcGIS, Basic Assessment, Environmental Screening, Environmental Control Services, and Water Use License Application through eWULAs and Public Participation for small- and large-scale projects.

PROJECT EXPERIENCE

2021	Swartberg BAR & WULA	R190 263.19
	Basic Assessment Process for the proposed refurbishment of the Swartberg access road in the Western Cape.	
2021	Hex Group BAR & WULA	R251 701.91
	Basic Assessment Process for the proposed 66 kV powerlines between Hex and Hugo Substations in the Western Cape.	
2021	Linbro WMF Screening	R38 987.50
	Environmental Screening Assessment proposed upgrading of the waste management facility at Linbro Park, Johannesburg.	
2021	Ndlovu Bridge EMPr & ECO	R130 352.50
	Environmental Management Programme (EMPr) and Environmental Control Services for the Proposed Rehabilitation of the Existing Ndlovu Bridge and Stormwater Upgrades, near Soweto, Gauteng Province.	
2020	Lanseria WWTW EA Part 2 Amendment	R199 120.00
	Part 2 EA Amendment for the Lanseria Wastewater Treatment Works, Gauteng Province.	
2020	Graafwater BESS EIA	R229 077.70
	Basic Assessment Process for the proposed Installation of the Battery Energy Storage System (BESS) at the Graafwater Substation near Graafwater, Western Cape Province.	
2020	ZIMCO WML Review	R 38 295
	SMMP and amendment of the EMPr for the existing operations of Zimco Aluminium Company (Zimalco) (Pty) Ltd.	
2020	Grootegeeluk WULA	R350 690
	Water Use License Application for the Grootegeeluk Mine in Lephalale, Limpopo Province.	

PROJECT EXPERIENCE (continued)

2019-2020	Bushkoppie BAR	R233 852.50
Basic Assessment Process for the proposed upgrading of the existing Bushkoppie WwTW located within the Gauteng Province.		
2019-Current	Doornkop Farm EIA	R215 459.47
Basic Assessment Process for the proposed development of a Maize Mill, Silo and associated infrastructure on Portion 12 of the Farm Doornkop 246, Mpumalanga Province.		
2019-2020	Msauli Asbestos Mine Rehabilitation	R24 million
Environmental Control Officer for the rehabilitation of derelict and ownerless asbestos mine located in Msauli, Mpumalanga.		
2019-2019	CoE Landfill	R4 million
Negative mapping for the proposed construction of a landfill North of the City of Ekurhuleni within the Gauteng Province.		
2018	AEL Consol Furnace	R253 000
Public Participation Process for Basic Assessment and NEMAQA postponement for Compliance timeframe.		
2019-2019	Steelpoort Asbestos Mine Rehabilitation	R6 million
Environmental Control Officer for the rehabilitation of derelict and ownerless asbestos mine located in Steelpoort, Limpopo.		
2018 - 2020	BA and WML Fibre Plant	R112 000
Basic Assessment Process for the proposed development of a cellulose recovery plant and related infrastructure for the recovery of pre- and post-consumer newsprint in Wadeville, Gauteng Province. .		
2018	Duvha WULA Amendment	R288 293.80
Integrated Water Use Application for the Duvha Power Station.		
2018	Kendal 30yr Ash Disposal Facility	R4 million
Engaging with the stakeholders for the wetland offset strategy and WULA Application.		
2018	Khathu EMPr Walkdown	R365 162.50
Water Use License Application for the upgrading of the 66kV network to 132kV network form Hotazel Substation in Hotazel to Mothibistad substation in Kuruman, Northern Cape.		
2018-2019	Farm 238JR722FR BA	R188 470.50
Public Participation Process for the Proposed Housing Development in Koedoespoort.		
2018	Kendal SPR Investigation	R625 576.50
Public Participation Process and IWULA Amendment.		

EMPLOYMENT RECORD

2018 – Date	Zitholele Consulting	Environmental Assessment Practitioner
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