A EAP CV

ASHLEA STRONG, MEM, EAP

Principal Consultant (Environmental Services), Environment & Energy

YEARS WITH THE FIRM

4

YEARS TOTAL

14

PROFESSIONAL QUALIFICATIONS

CEAPSA

AREAS OF PRACTICE

Auditing

Energy

Environmental Control

Health & Safety

Infrastructure

Mining

SEIR

Training

Waste Management

CAREER SUMMARY

Ashlea is a Principal Consultant with 14 years' experience in the environmental field. She currently provides technical and strategic expertise on a diverse range projects in the environmental management field, including environmental scoping and impact assessment studies, environmental management plans, waste and water management, as well as the provision of environmental management solutions and mitigation measures

Ashlea has been involved in the management of a number of large EIAs specifically within the energy sector such as the Medupi Power Station, and Pebble-Bed Modular Reactor (PBMR) and numerous Transmission Powerlines. She also has environmental auditing and training experience and expertise.

Ashlea holds a Masters in Environmental Management; a BTech (Nature Conservation), and a National Diploma (Nature Conservation); She is also a Certified Environmental Assessment Practitioner of South Africa (CEAPSA).

EDUCATION

Masters in Environmental Management, University of the Free State, South Africa	2006
B Tech, Nature Conservation, Technikon SA, South Africa	2001
National Diploma in Nature Conservation, Technikon SA, South Africa	1999

ADDITIONAL TRAINING

Conduct outcomes based assessment (NQF Level 5), South African Qualifications Authority (SAQA)	2009

PROFESSIONAL MEMBERSHIPS

Certified Environmental Assessment Practitioner of South Africa, with the Interim Certification Board (CEAPSA)	2010

PROFESSIONAL EXPERIENCE

Energy Sector

- Southern Energy Coal Fired Power Station (2016): Project Manager. This project involved the high-level review of the Environmental Impact Assessment for the Southern Energy Coal Fired Power Station near Hwange in Zimbabwe against relevant legislation and standards. Client: WSP | Parsons Brinckerhoff.
- Proposed Solar and Wind Projects located in the Northern and Western Cape Provinces (2015) Project Manager. This project involved the compilation of 15 Environmental Impact Assessments and Environmental Management Plans for 2 Solar and 2 Wind energy Projects near Aggenys and Sutherland respectively. Client: BioTherm Energy (Pty) Ltd.
- Proposed Solar Park, Northern Cape Province, South Africa (2012): Strategic Environmental Advisor. This project involved the provision of process expertise for the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Solar Park in the Northern Cape Province. Client: Central Energy Fund (CEF).

- Proposed Tabor - Nzhelele 400kV Transmission Lines and associated infrastructure, Limpopo Province, South Africa (2012): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for a 100km 400kV powerline between Louis Trichardt and Musina in the Limpopo Province. Client: Eskom Transmission.
- Retrofitting of the existing Electrostatic Precipitators with Fabric Filter Plants at Units 2, 3 and 4 at the Grootvlei Power Station, South Africa (2012): Project Manager. This project involved the compilation of a Basic Assessment Report and Environmental Management Plan for the proposed retrofitting of the existing Electrostatic Precepitators with Fabric Filter Plants at the Grootvlei Power Station. Client: Eskom Holdings SOC Limited.
- Proposed Mulilo Coal Fired Power Station and associated infrastructure as well as associated power lines and substations, Musina, Limpopo, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Mulilo Coal Fired Power Station and associated infrastructure as well as associated power lines and substations in the Musina area of the Limpopo Province. Client: Parsons Brinkerhoff Africa and Mulilo Power.
- Pebble Bed Modular Reactor Demonstration Plant and Associated Infrastructure, Western Cape, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Pebble Bed Modular Reactor Demonstration Plant and Associated Infrastructure in the Western Cape Province. Client: Eskom Generation.
- Proposed Bantamsklip – Kappa 765 kV Transmission Lines and associated infrastructure, Western and Northern Cape, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for four 260km 765kV powerlines between the Bantamsklip Nuclear Power Station Site and the proposed new Kappa Substation in the Karoo, Western Cape Province. Client: Eskom Transmissions.
- Proposed Bantamsklip – Bacchus, Bacchus - Kappa and Bacchus – Muldersvlei 400 kV Transmission Lines and associated infrastructure, Western and Northern Cape, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for a number of 400kV powerlines between the Bantamsklip Nuclear Power Station Site and a number of substations, including Bacchus, Kappa and Muldersvlei, in the Western Cape Province. Client: Eskom Transmission.
- Westgate – Tarlton – Kromdraai 132 kV Sub-Transmission line and associated infrastructure, Gauteng, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the Westgate – Tarlton – Kromdraai 132 kV Sub-Transmission line and associated infrastructure in the Gauteng Province. Client: Eskom Distribution – Central region.
- Environmental Scoping Study for the proposed new distribution line and substation for Eskom, Dundonald, Mpumalanga (also involved in the Public Participation Process), Mpumalanaga, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for a 132kV powerline as well as a new substation in the Tarlton area of Gauteng.
- The proposed new 132 kV sub-transmission line between the Dinaledi and GaRankuwa substations for Eskom, GaRankuwa, North West, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for a

132kV powerline between the Dinaledi and GaRankuwa substations in the GaRankuwa area of the North West Province. Client: Eskom Distribution.

- Expansion of the Transmission powerline network and associated infrastructure between the Perseus substation and the Beta substation, Free State, South Africa (2008): Project Manager. This project involved the compilation of an alignment specific construction Environmental Management Plan for the 13km 765kV Perseus Beta Turn-ins. Eskom Transmission
- Tarlton – Kromdraai 132 kV Sub-Transmission line and associated infrastructure, Gauteng, South Africa (2008): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for a 132kV powerline as well as a new substation in the Tarlton area of Gauteng. Client: Eskom Distribution – Central Region.
- Basic Assessment for the proposed Watershed – Mmabatho 88kV Power line. North West, South Africa (2008): Project Manager. This project involved the compilation of a Basic Assessment and Environmental Management Plan for a new 88kV powerline near Mmabatho in the North West Province. Client: Eskom Distribution – Central Region.
- Proposed Watershed – Mmabatho 88kV Power line. North West, South Africa (2007): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the Watershed – Mmabatho 88kV Power line in the North West Province. Client: Eskom Distribution – Central Region.
- Proposed Combined Cycle Gas Turbine Plant and Associated Infrastructure near Majuba, Mpumalanga, South Africa (2007): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Combined Cycle Gas Turbine Plant and Associated Infrastructure near Majuba in the Mpumalanga Province. Client: Eskom Holdings SOC Limited.
- Proposed Capacity Increase of the Atlantis OCGT Plant and Associated Infrastructure, Western Cape, South Africa (2006): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Capacity Increase of the Atlantis OCGT Plant and Associated Infrastructure in the Western Cape Province. Client: Eskom Generation.
- Proposed Concentrated Solar Thermal Plant in the Northern Cape, South Africa (2006): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Concentrated Solar Thermal Plant near Upington in the Northern Cape Province. Client: Eskom Holdings SOC Limited.
- Proposed Underground Coal Gasification plant, Eskom, Mpumalanga, South Africa (2006): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Underground Coal Gasification plant near the Majuba Power Station in the Mpumalanga Province. Client: Eskom Holdings SOC Limited.
- Proposed new Coal-fired Power Station in the Lephalale Area for Eskom, Limpopo, South Africa (2005): Project Manager. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed new Coal-fired Power Station in the Lephalale Area in the Limpopo Province. Client: Eskom Generation.
- Proposed Open Cycle. Gas Turbine Power Station at Atlantis for Eskom, Western Cape, South Africa (2005): Environmental Consultant. This project involved the compilation of an Environmental Impact Assessment and Environmental Management Plan for the proposed Open Cycle. Gas Turbine

Power Station at Atlantis in the Western Cape Province. Client: Eskom Generation.

Infrastructure Sector

- Rehabilitation of the R34 between Vryburg and Schweizer-Reneke, North West, South Africa (2016): Project Manager. This project involved the compilation of a Basic Assessment and Environmental Management Plan for the upgrading of the R34 between Vryburg and Schweizer-Reneke. Client: SANRAL
- Proposed Expansion of the Cremation Facilities at the Envirocin Pet Crematorium, Gauteng, South Africa (2013): Project Manager. This project involves the compilation of a basic assessment for the expansion of the cremation facilities at the Evnirocin Pet Crematorium in Kyasands, Gauteng Province. Client: Envirocin Incineration Systems CC.
- Proposed Kraft Paper Mill in Frankfort, Frankfort, Free State, South Africa (2013): Project Manager. This project involved the undertaking of an Environmental Impact Assessment, including the compilation of an Environmental Management Programme, for the proposed establishment of a KRAFT paper mill in Frankfort in the Free State Province. Client: Industrial Development Corporation of SA (Pty) Ltd.
- Rehabilitation of the N14 between Delerayville and Sannieshof, North West, South Africa (2011): Project Manager. This project involved the compilation of a Basic Assessment and Environmental Management Plan for the upgrading of the N14 between Sannieshof and Delerayville as well as the construction of a new bridge over the Hartsriver. This project also included the compilation of Water Use License and Mining Permit Applications. Client: SANRAL.
- Proposed new Waterfall Cemetery, Limpopo, South Africa (2011): Project Manager. This project involved the compilation of a Basic Assessment and Environmental Management Plan for the new Waterfall Cemetery, Limpopo Province. Client: Makhado Municipality.
- Route determination of the proposed Metro Boulevard, Gauteng, South Africa (2008): Project Manager. This project involved the undertaking of an Environmental Impact Assessment for the route determination of the proposed Metro Boulevard in the Weltevreden Park Area of the Gauteng Province. Client: Johannesburg Roads Agency.
- Proposed new fuel supply pipeline between Milnerton and Atlantis, Western Cape, South Africa (2007): Project Manager. This project involved undertaking an Environmental Impact Assessment for the proposed new fuel supply pipeline between Milnerton and Atlantis to supply the Ankerlig Power Station in the Western Cape Province. Client: Eskom Generation.

Mining Sector

- Establishment of the Proposed Rietvlei Opencast Coal Mine, Mpumalanga, South Africa (2013): Project Manager. This project involves the undertaking of an integrated environmental authorisation process, including an Environmental Impact Assessment, Environmental Management Programme Report, Waste Management License Application and Water Use License Application, for the establishment of an opencast coal mine north of Middelburg. Client: Rietvlei Mining Company.
- Decommissioning of Redundant Infrastructure at the Vaal River Operations, North West and Free State, South Africa (2013): Project Manager. This project involves undertaking an integrated Environmental Authorisation and Waste Management License process for the proposed decommissioning of redundant infrastructure at AngloGold Ashanti's Vaal River Operations. Client: AngloGold Ashanti.

- Decommissioning of Redundant Infrastructure at the West Wits Operations, Gauteng, South Africa (2013): Project Manager. This project involves undertaking a Basic Assessment process for the proposed decommissioning of redundant infrastructure at AngloGold Ashanti's West Wits Operations. Client: AngloGold Ashanti (Pty) Ltd.
- Inyanda Mine Pegasus South Expansion, Mpumalanga, South Africa (2011): Project Manager. This project included the compilation of an Environmental Impact Assessment, Environmental Management Plan, the Amendment of the existing Environmental Management Programme Report and the amendment of the existing Water Use License for the Inyanda Mine Pegasus South Expansion project, north of Middelburg in the Mpumalanga Province. Client: Exxaro Coal (Pty) Ltd.
- Sishen Infrastructure Program, Northern Cape, South Africa (2010): Project Manager. This project involved the compilation of an Environmental Impact Assessment and an Environmental Management Plan for the infrastructure expansion programme proposed by the Sishen Mine in the Northern Cape. Client: Sishen Iron Ore (Pty) Ltd.
- Prospecting Permit Applications in the Kuruman area of the Northern Cape, South Africa (2011): Project Manager. This project involved the compilation of Environmental Management plans as part of six applications for Prospecting Permits in the Kuruman area of the Northern Cape. Client: Sound Mining Solutions.
- Borrow pits required by the Limpopo Department of Roads and Transport, Limpopo, South Africa (2010): Project Manager. This project involved the compilation of Environmental Management plans as part of the applications for Mining Permits for borrow pits required for the rehabilitation of provincial roads in the Limpopo Province. Client: Limpopo Department of Roads and Transport.
- Borrow pits required for the Medupi Coal Fired Power Station, Limpopo, South Africa (2008): Project Manager. This project involved the compilation of Environmental Management plans as part of the applications for Mining Permits for borrow pits required for the Medupi Coal Fired Power Station in the Limpopo Province. Client: Eskom Generation.
- Borrow pits required for the Ingula Pumped Storage Scheme, KwaZulu-Natal, South Africa (2008): Project Manager. This project involved the compilation of Environmental Management plans as part of the applications for Mining Permits for borrow pits required for the Ingula Pumped Storage Scheme in the Kwa-Zulu Natal Province. Client: Eskom Generation.
- Project Manager, Mining Right Application for a 23 Hectare Borrow Pit required for the Steelpoort Pumped Storage Scheme, Mpumalanga, South Africa (2007): Project Manager. This project entailed the compilation of the required Environmental Management Programme Report in support of a Mining Right Application for a 23 Hectare Borrow Pit required for the Steelpoort Pumped Storage Scheme in the Mpumalanga Province. Client: Eskom Generation.
- Renewed Mining and Prospecting Activities on the farm Quaggaskop 215, Vanrhynsdorp, Western Cape, South Africa (2004): Environmental Consultant. This project involved the compilation of an Environmental Management Programme Report for the recommencement of mining and prospecting activities on the farm Quaggaskop 215 outside Vanrhynsdorp in Western Cape Province. Client: Minexpo.

Waste Management Projects

- Proposed continuous Ashing at Majuba Power Station, Mpumalanga, South Africa (2012): Project Manager. This project entailed the compilation

Environmental Impact Assessment and Waste Management License Application for the proposed continuous ashing project at the Majuba Power Station in Mpumalanga. Client: Eskom Holdings SOC Limited.

- Proposed continuous Ashing at Tutuka Power Station, Mpumalanga, South Africa (2012): Project Manager. This project entailed the compilation Environmental Impact Assessment and Waste Management License Application for the proposed continuous ashing project at the Tutuka Power Station in Mpumalanga. Client: Eskom Holdings SOC Limited.
- Proposed extension of Ash Dams at Hendrina Power Station, Mpumalanga, South Africa (2011): Project Manager. This project entailed the compilation Environmental Impact Assessment and Waste Management License Application for the proposed extension of the ash dams at the Hendrina Power Station in Mpumalanga. Client: Hendrina Power Station.
- Phase 1 of the Environmental Impact Assessment for the Proposed Regional General and Hazardous Waste Processing Facility, Eastern Cape (2005). Project Manager. This project entailed the compilation Environmental Impact Assessment for the Proposed Regional General and Hazardous Waste Processing Facility in the Eastern Cape. Client: Coega Development Corporation.

Specialist Projects

- Strategic Environmental Assessment for the Development. Master Plan Greater Port Harcourt, Rivers State, Nigeria, Africa (2008): Senior Environmental Consultant. This project entailed the compilation of a Strategic Environmental Assessment for the City of Port Harcourt as part of the development of the Master Plan for the Greater Port Harcourt Area. Client: Port Harcourt Government
- Development of an Environmental Policy, Gauteng, South Africa (2006): Environmental Consultant. This project entailed the development and compilation of an environmental policy for the Ekurhuleni Metropolitan Municipality. Client: Ekurhuleni Metropolitan Municipality.
- Environmental Input into the National Transport Master Plan, South Africa (2007): Environmental Consultant. This project included the provision of strategic environmental input in to the Draft National Transport Plan. Client: Department of Transport.
- Development of the Development Corridors, Ekurhuleni, Gauteng, South Africa (2006): Environmental Consultant. This project included the provision of strategic environmental input in to the Ekurhuleni Metropolitan Municipalities Development Corridor Study. Client: Ekurhuleni Metropolitan Municipality.

Auditing

- Compliance Audit for the Bokpoort Concentrating Solar Power (CSP) Facility, Groblershoop, Northern Cape, South Africa (2016): Lead Auditor. This project involved the environmental compliance auditing of the Waste Management License, Environmental Authorisation and Water Use License for the Bokpoort CSP Facility near Groblershoop in the Northern Cape Province. Client: ACWA Power Solafrica Bokpoort CSP Power Plant (Pty) Ltd.
- Compliance Audit for the Waste Recycling Facility and Redundant Materials Management Yard, Secunda, Mpumalanga, South Africa (2016): Lead Auditor. This project involved the environmental compliance auditing of the Waste Management license and other relevant permits for Waste Recycling Facility and Redundant Materials Management Yard in Secunda in Mpumalanga Province. Client: Sasol Chemical Industries: Secunda Synfuels Operations.

- InvestChem Annual Environmental Compliance Monitoring, Kempton Park, Gauteng, South Africa (2013 - 2016): Lead Auditor. This project involved the annual environmental compliance auditing for InvestChem's Sulphonation Plant in Kempton Park, Gauteng Province. The monitoring included InvestChem's compliance to various commitments contained in their environmental management programmes and conditions within their environmental authorisations (records of decision). Client: Investchem (Pty) Ltd.
- Waste Management License Audit for the Sasol Waste Ash Site, Secunda, Mpumalanga, South Africa (2014 - 2016): Lead Auditor. This project involved the annual environmental compliance auditing of the Waste Management license for Sasol's Waste Ash Site in Secunda in Mpumalanga Province. Client: Sasol Chemical Industries: Secunda Synfuels Operations.
- EMPR Performance Assessment Report for the Landau Colliery, Mpumalanga, South Africa (2013): Auditor. This project involved the formal assessment and verification of the Landau Colliery Environmental Management Programme Report, conducted in accordance with Regulation 55 of the Mineral and Petroleum Resources Development Act (No. 28 of 2002). Client: Anglo Thermal Coal.
- Waste Management License Audit for the Slagment Operation, Vanderbijlpark, Gauteng, South Africa (2013): Lead Auditor. This project involved the annual environmental compliance auditing for AfriSam's Slagment Operation in Vanderbijlpark in Gauteng Province. The audit included AfriSam's compliance to the conditions of their waste management license. Client: AfriSam Southern Africa (Pty) Ltd.
- EMPR Performance Assessment Report for the New Vaal Colliery, Free State, South Africa (2006-2007): Auditor. This project involved the formal assessment and verification of the New Vaal Colliery Environmental Management Programme Report, conducted in accordance with Regulation 55 of the Mineral and Petroleum Resources Development Act (No. 28 of 2002). Client: Anglo American Thermal Coal.

Environmental Control Projects

- N14 rehabilitation between Sannieshof and Delareyville, North West, South Africa (2012): Environmental Control Officer. This project involved the monthly auditing of the contractor's compliance with the conditions of the approved Environmental Management Plan as well as ad hoc environmental advise to the Project Engineer and SANRAL. Client: SANRAL.
- Delmas and Bontleng Waste Water Treatment Works, Mpumalanga, South Africa (2009): Environmental Control Officer. This project involved a once off compliance audit of the above-mentioned Waste Water Treatment Works. Client: Victor Khanye Municipality.
- Nkonjaneni Water Borne Sewer Project in Piet Retief, Mpumalanga, South Africa (2009): Environmental Control Officer. This project involved the monthly auditing of the contractor's compliance with the conditions of the approved Environmental Management Plan as well as ad hoc environmental advise to the Project Engineer. Client: Mkhondo Local Municipality.
- Upgrading of the Waterval Water Care Works, Gauteng, South Africa (2005-2007): Environmental Control Officer. This project involved the monthly auditing of the contractor's compliance with the conditions of the approved Environmental Management Plan. Client: ERWAT.
- Lotus Gardens Ext 2 Township establishment, Gauteng, South Africa (2003): Environmental Control Officer. This project involved the monthly auditing of the contractor's compliance with the conditions of the approved Environmental Management Plan. Client: City of Tshwane.

Training

- N14 rehabilitation between Sannieshof and Delareyville, North West, South Africa (2012): Project Manager. This project involved the provision of training for the staff of the N14 rehabilitation project with regards to the contents of the environmental management plan. Client: SANRAL.
- Training in Environmental Aspects and Rehabilitation for the Small Scale Mining Division of Mintek, City, Province, South Africa (2004): Trainer. This project involved the provision of environmental awareness training for delegates involved in the small scale miner training programme run by the Mintek small scale mining division. Client: Mintek
- Training in Environmental Aspects and Impacts, Germiston, Gauteng, South Africa (2004): Trainer. This project involved the provision of environmental aspects and impacts training for the staff of Transwerk in Germiston. Client: Transwerk Germiston.

Health & Safety Projects

- Payneville water and sewer reticulation project, Gauteng, South Africa (2012): Health and Safety Officer. This project involved the monthly health and safety auditing of the Payneville water and sewer reticulation project in Springs. Client: Ekurhuleni Metropolitan Municipality.
- Nkonjaneni Water Borne Sewer Project in Piet Retief, Mpumalanga, South Africa (2009): Health and Safety Officer. This project involved the monthly health and safety auditing of the Nkonjaneni water borne sewer project in Piet Retief. Client: Mkhondo Local Municipality.

CHIFADZA TUTAYI, B.Sc.H

Environmental Consultant (Environmental Management), Environment & Energy

YEARS WITH THE FIRM

1>

YEARS TOTAL

3.5

AREAS OF PRACTICE

Environmental Management

CAREER SUMMARY

Tutayi Chifadza is an Assistant Environmental Consultant for WSP at the Johannesburg, Bryanston office in the Environmental Services division. He moved to WSP from Sparrow Consulting almost a year ago where he was Project Manager for their Technical Manual/Training material development team.

He is currently teaming up with Senior Consultants on Water Use License applications, BA and audits for Transnet on their pipeline infrastructure as well as the BA process for Sasol Energy Technology. He conducted Water Use License audits for four sections at South 32 and its reporting. He was also responsible for conducting a Waste Management Licence audit and its reporting for the Sappi solid waste disposal facility in Springs, Gauteng.

Tutayi has been previously involved in the technical area of production industries with regards to their processes and instrumentation for the purpose of creating technical training manuals and SOPs. He is currently part of the Employment Equity Committee at WSP and recently completed an online training course in Project Management Professional.

EDUCATION

Bachelor of Science (Honours), Applied Science in Environmental Technology, University of Pretoria, Pretoria, South Africa	2013
Bachelor of Science, Chemistry, University of Pretoria, Pretoria, South Africa	2012

ADDITIONAL TRAINING

Certificate of Completion for Project Management Professional (PMBOK), e-careers (Online learning)	2016

PROFESSIONAL EXPERIENCE

Environmental Services

- Knightsbridge Development EMP ECO, Johannesburg, Gauteng, South Africa (2016): Tutayi's role was to conduct the ECO audit against the EMP created for Greenstar requirements. Client: Emira Property.
- PPC Waste Classification, All PPC South Africa sites, South Africa (2016): Tutayi's role was to consolidate the waste inventories from different sites into one waste inventory, pre-classify the waste, collect samples, conduct waste profiling, waste classification and create SDSs based on laboratory analysis of samples collected. He also created generic SDSs for waste were sampling was not required. Client: PPC Ltd.
- FFS Construction of a Filtration Plant at the FFS Evander Facility, Evander, Mpumalanga, South Africa (2016): Tutayi's role was to conduct the audit of the relevant license conditions during the construction phase of the filtration plant and. He also conducted the close-out audit for the construction phase. The project is about monitoring and auditing the state of the site during the construction of the filtration plant. Client: FFS Refiners (Pty) Ltd.
- Total SA WMP, Johannesburg, Gauteng, South Africa (2016): Tutayi's role is to create a waste database, rating waste, SDSs and devising best management plans for each type of waste at Total entities. The project involves creating a waste management plan for all forms of waste at Total entities. This includes

depots, offices, commercial installations, service stations, ISPs and LMPs. Client: Total SA.

- South 32 EMPR PAR, WUL and WML audits, Middelburg, Mpumalanga, South Africa (2016): Tutayi's role was to conduct WUL audits for the Klipfontein, MMS North and South, Douglas and BMK Extension coal mining sections as well as write up the relevant reports. The project is about conducting performance assessment reports (EMPR), as well as WUL and WML auditing. Client: Middleburg Mine Services (South 32).
- Impala Plat Landfill Audit, Rustenberg, North West, South Africa (2016): Tutayi's role was to take gas concentration readings from probes strategically placed on the landfill using the Geotech instrument. Methane, oxygen, carbon dioxide and nitrogen gas concentrations were focused on. The project is about auditing the landfill and monitor the gas concentrations to make sure that there is no significant methane build-up within the landfill. Client: Impala Platinum Limited.
- Butsanani EIA-EMPR, Middelburg, Mpumalanga, South Africa (2016): Tutayi's role was to help the senior consultant in compiling, collecting and researching data for the purpose of filling in the WUL application forms. The project is about helping the client acquire the WUL in order to start mining activities. Client: Rietvlei Mining Company (Pty) Ltd.
- Samancor Manganese South Plant demolition, Meyerton, Gauteng, South Africa (2016): Tutayi's role was to provide ECO services for the demolition of the South Plant site on the premises. This entailed conducting environmental audits to ensure EMP compliance for the project to minimise impacts and risk during the activities. Client: Samancor Manganese, Metalloys, operated by South 32.
- Sappi External Waste Management Licence Compliance Audit, Springs, Gauteng, South Africa (2016): Tutayi was responsible for conducting the WML environmental compliance audit of the solid waste disposal facility situated at Enstra and compile an audit report according to the requirements of the National Environmental Management Waste Act (No. 59 of 2008) (NEMWA). Client: Sappi Southern Africa Limited.
- General Electric Healthcare Environmental Health and Safety Audit, Rosebank, Gauteng, South Africa (2016): Tutayi was responsible for undertaking an Environmental Health and Safety (EHS) inspection of the GE Healthcare operations in Rosebank and one field site. The field site was at the Life Carstenhof Hospital were the Field Engineers were installing a new piece of equipment. Client: GE Healthcare, a Division of General Electric.
- Rose Foundation Environmental Compliance Audit of Old Oil Man, Chamdor, Gauteng, South Africa (2016): Tutayi was responsible for undertaking an environmental compliance audit to identify and assess key environmental issues pertaining to the operations and facilities against which on-going continuous improvements and modifications of the facility can be evaluated. The audit covered site operational control measures, legal and regulatory compliance, impacts to environment and general environmental practice. Client: Rose Foundation.
- Samancor Chrome Turfontein Underground Mine Project Mooinoi, North West, South Africa (2016): Tutayi assisted in facilitating the public participation process during the public meeting conducted to provide insight into the potential impacts and benefits from the proposed underground mine project. Client: Samancor Chrome.
- Sasol Oil Pretoria West Depot Environmental Authorisation Compliance Audit, Pretoria West, Gauteng, South Africa (2016): Tutayi was responsible for conducting a technical compliance audit of the Exemption Record of Decision

(ROD) and an Amended Environmental Authorisation (EA) and compile an audit report according to the requirements of the National Environmental Management Act (No. 107 of 1998) as amended (NEMA), and as part of the conditions of the EA. Client: Sasol Oil (Pty) Ltd.

- BioTherm Wind and Solar Energy Facilities, Western Cape and Northern Cape, South Africa (2017-2017): Tutayi assisted in the creation of a consolidated impact assessment rating based on the available specialist studies as well as consolidating the comments and response from commenting authorities and stakeholders. Client: BioTherm Energy.
- Sasol Energy Technology Blending Facility Upgrade Project, Sasolburg, Free State, South Africa (2016-2017): Tutayi is part of a two-man team responsible for the EIA process for the replacement of old USTs with new ones on the Sasol One site. Client: Sasol Energy Technology, a Division of Sasol Oil (Pty) Ltd.
- Anglo Platinum Water Separation Project, Rustenburg, North West, Gauteng (2016-2-17): Tutayi is assisting in the BA process for the proposed refurbishment of an existing pipeline and installation of new pipelines as well in the Water Infrastructure Separation Project. Client: Anglo American Platinum Limited.
- South 32 Middelburg Water Reclamation Plant (MWRP), Middelburg, Mpumalanga, South Africa (2017): Tutayi is part of the team conducting sampling and classification of Stage 1 and Stage 2 gypsum produced as the by-product of the process as well as conducting the fertiliser assessment potential of the by-products. Client: South 32 Limited.
- J.P Morgan Chase & Company, 1 Fricker Road EMP ECO, Illovo, Gauteng, South Africa (2017): Tutayi compiled the EMP for the proposed refurbishment of the office building to attain a Green Star rating and is also responsible for conducting the first EMP compliance audit and training of the DEO to carry out subsequent audits. Client: J.P Morgan Chase & Company.
- Transnet Pipelines EIA/BA process ECO, Phola & Secunda, Mpumalanga, South Africa (2017): Tutayi is responsible for undertaking the BA and EIA process, WUL applications and ECO activities in the Mpumalanga region on an as and when required basis for the existing and potential new pipeline infrastructure. Client: Transnet Pipelines, a Division of Transnet Limited.

B EAP DECLARATION OF INTEREST AND UNDERTAKING

Client ref.: 14/12/16/3/3/2/1064
WSP ref.: 41100611

06 August 2018

PUBLIC

Subject: Affirmation By Environmental Assessment Practitioner: As required in terms of Appendix 3, subsection(s) of Government Notice Regulation (GNR) 326

PROJECT NAME:	**The Proposed Wildcoast Special Economic Zone in Mthatha, Eastern Cape Province**

Consultant:	WSP Environmental (Pty) Ltd
EAP Details	
Contact Person:	Tutayi Chifadza
Postal Address:	P O Box 98867, Sloane Park, 2152
Physical Address:	Building C, Knightbridge, 33 Sloane Street, Bryanston, 2191, South Africa
Telephone:	011 361 1390
Fax:	011 361 1301
Email:	Tutayi.Chifadza@wsp.com

I, **Tutayi Chifadza**, the appointed Environmental Assessment Practitioner (EAP), confirm through this affirmation (as required in terms of Appendix 3 subsection (s) of GNR 326) that:

i. To the best of my knowledge the information provided in this report is factually correct
ii. To the best of my knowledge all relevant project information which has been provided to stakeholders and interested and affected parties (I&APs) is correct
iii. All comments and inputs received from stakeholders / I&APs, prior to the submission of the Environmental Impact Report, have been included as part of the Environmental Impact Report and addressed where necessary
iv. All information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested or affected parties are the unbiased opinion of the EAP and are based on factually correct information

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v. All inputs and recommendations from the specialist reports have been included as part of the Environmental Impact Report where relevant.

Signature of the EAP	Signature - Commissioner of Oaths
WSP Environmental (Pty) Ltd	07/08/2018
Company	Date
07/08/2018	
Date	Stamp:

COMMISSIONER OF OATHS (RSA)
SARA WHITFIELD CA (SA)
Membership No : 20019075
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