

Tamarin (Tammy) Burton

Environmental Scientist



Profession

Environmental Scientist

Education

Nat Dip, Safety Management, University of South Africa, 2015
 NOSA Train the Trainer Certification, February 2014
 First Aid Level 1, St Johns Ambulance, 2013
 Tools for Wetland Assessment (TWA), Rhodes University, 2012
 BSc, Hons, Botany, Nelson Mandela Metropolitan University, 2010
 BSc, Botany and Geography, Nelson Mandela Metropolitan University, 2009

**Registrations/
Affiliations**

CEAPSA, SACPCMP in process

Awards

The International Award for young people, 2005

Specialisation

Environmental impact assessments, basic assessments, environmental management programmes, mining management programmes, public participation, waste license applications, water use license applications, municipal infrastructure grant applications, environmental auditing and safety management

Expertise

Tammy Burton has been involved in the field of environmental science for the past six years. Her expertise includes:

- environmental auditing;
- environmental officer work;
- environmental impact assessments;
- environmental basic assessments;
- mining environmental management programmes;
- waste license applications;
- water use license applications;
- public participation facilitation.

Her training is in Botany, Geography and Safety Management. Her main expertise includes:

- basic assessments and environmental impact assessments for renewable energy projects;
- basic assessments and license applications for waste facilities;
- basic assessments and mining management plans for road upgrades;
- environmental control officer work for the construction on water supply schemes, water treatment works, booster pump stations, reservoirs and wind farms; and
- environmental coordination and HSE officer work.

Employment

Jan 2016-present	SRK Consulting (Pty) Ltd, Environmental Scientist (Consultant), Port Elizabeth
June 2014- Jan 2016	Kentz (member of SNC-Lavalin), HSE Officer and Environmental Project Coordinator for on the VALE Moatize Expansion Project ,Tete - Mozambique
March 2010 – May 2014	SRK Consulting (Pty) Ltd, Environmental Scientist (Consultant), Port Elizabeth

Publications

None

Languages

English – read, write, speak (Excellent)
 Afrikaans – read, write, speak (Good)
 Portuguese - read, write, speak (Poor)

Key Experience: HSE Officer

Location: Tete - Mozambique
 Project duration & year: 2014-2016
 Client: Concremat (Project Engineer) and VALE (Client to Concremat)
 Name of Project: VALE Moatize Expansion Project
 Project Description: Expansion of the coal handling and processing plant of one of Africa's largest coal mines located in Tete, Mozambique
 Job Title and Duties: Kentz (member of SNC-Lavalin), HSE Officer and Environmental Project Coordinator
 Value of Project: 175 Million USD

Key Experience: Environmental Legal Review/ Sensitivity Assessment

Location: Whittlesea in the Eastern Cape
 Project duration & year: 2016
 Client: Lukhanji Municipality
 Name of Project: Proposed Whittlesea Community Centre
 Project Description: Review of the potential need for environmental authorisation for the proposed activity in terms of the Environmental Impact Assessment 2014 (EIA) regulations in accordance with the National Environmental Management Act (no. 107 of 2006) (NEMA), as amended, as well as the National Water Act (no. 36 of 1998).
 Job Title and Duties: Review of project, assessment of legislation and compilation of letter
 Value of Project: Unknown

Location: Bhisho in the Eastern Cape
 Project duration & year: 2016
 Client: Aurecon
 Name of Project: Kei Road Water Treatment Works and Conveyance Project
 Project Description: Desktop review of the biophysical features of the study area as well as their conservation value as well as a legal review
 Job Title and Duties: Review of project, assessment of legislation, sensitivity analysis and compilation of letter
 Value of Project: Unknown

Key Experience: Environmental Impact Assessments

Location: Nelson Mandela Bay, Eastern Cape
 Project duration & year: 2011 - present
 Client: Nelson Mandela Bay Municipality
 Name of Project: Jachtlakte Precinct Sustainable Human Settlement Plan
 Project Description: Environmental Impact Assessment for the Mixed-use housing, commercial and industrial development at Jachtlakte, Nelson Mandela Bay
 Job Title and Duties: Assisted with the review of specialist reports and compilation of Draft Environmental Impact Assessment Report.
 Value of Project: Unknown

Location: Cradock, Eastern Cape
 Project duration & year: Feb 2012 – Dec 2012
 Client: AF-Rom Energy Pty Ltd
 Name of Project: Environmental Impact Assessment for the proposed Dobbin 75 MW Solar Facility
 Project Description: Environmental Impact Assessment comparing two alternative photovoltaic solar panel layouts (fixed and tracking) for a Photovoltaic Solar Facility (and associated power line and substation) covering an area of 275 ha on Portion 1 of Farm Het Fortuin No. 66 in the Inxuba Yethemba Local Municipality, in the

Job Title and Duties: Eastern Cape
Project co-ordinator - liaison with client, Interested and Affected Parties, specialists and relevant authorities; compilation of scoping and EIA reports; management of specialists and review of specialist reports; facilitation of public participation process

Value of Project: ± R680,000

Location: Victoria West, Northern Cape
Project duration & year: Feb 2012 – Dec 2012
Client: AF-Rom Energy Pty Ltd
Name of Project: Environmental Impact Assessment for the proposed Brakpoort 75 MW Solar Facility
Project Description: Environmental Impact Assessment comparing two alternative photovoltaic solar panel layouts (fixed and tracking) for a Photovoltaic Solar Facility (and associated power line and substation) covering an area of 360 ha on Portion 2 of Farm Kliphokkies No. 173 in the Ubuntu Local Municipality, in the Northern Cape
Job Title and Duties: Project co-ordinator - liaison with client, Interested and Affected Parties, specialists and relevant authorities; compilation of scoping and EIA reports; management of specialists and review of specialist reports; facilitation of public participation process

Value of Project: ± R650,000

Location: Nelson Mandela Bay, Eastern Cape
Project duration & year: Feb 2009 – Sep 2010
Client: Rubicept (Pty) Ltd
Name of Project: The 27M MetroWind Van Stadens Wind Farm
Project Description: Environmental Impact Assessment comparing three alternative sites for the establishment of a 27 MW Wind Farm in the Nelson Mandela Bay Area, Eastern Cape Province
Job Title and Duties: Assisted with the review of specialist reports, compilation of Environmental Impact Assessment Reports, liaison with environmental authorities, facilitation of public participation process and amendments to environmental authorisation.

Value of Project: R 2,000,000

Location: Motherwell, Eastern Cape, South Africa
Project duration & year: 2009 to 2012
Client: Nu-Way Housing Developments
Name of Project: Coega Ridge Integrated Housing Development
Project Description: Environmental Impact Assessment for the Coega Ridge Integrated Housing Development
Job Title and Duties: Assisted with the compilation of Environmental Impact Assessment Reports

Value of Project: ± R 500,000

Key Experience: Basic Assessments, Environmental Management Programmes, Mining Management Plans and Water Use License Applications

Location: Between Cradock and Knutsford
Project duration & year: 2012 - 2013
Client: SANRAL
Name of Project: Proposed Rehabilitation of the N10 (Section 4): Between Cradock and Knutsford
Project Description: Rehabilitation of a 22 km section of the N10/s4 including the geometric improvements to two intersections and a climbing lane
Job Title and Duties: Project co-ordinator - Compilation of Draft and Final Basic Assessment Reports, Environmental Management Programme, Mining EMP and Water Use Applications, liaison with client, environmental authorities and specialist

Value of Project:	Unknown
Location:	Between Graaff-Reinet and Cradock
Project duration & year:	2011 - 2014
Client:	SANRAL
Name of Project:	Proposed Upgrade of the Route 61, Section 2: Draairivier to Elinus Farm between Graaff-Reinet and Cradock
Project Description:	Assessment of the widening of the Route 61, Section 2 road reserve
Job Title and Duties:	Project co-ordinator – Compilation of Draft and Final Basic Assessment Reports, Mining EMP and Water Use License Applications, liaison with client, environmental authorities and specialists
Value of Project:	Unknown
Location:	Between Majola Tea (Km 51) and Tombo (Km 66)
Project duration & year:	2012-2013
Client:	SANRAL/ PDNA
Name of Project:	Rehabilitation of National Route R61 Section 8 between Majola Tea (Km 51) and Tombo (Km 66)
Project Description:	Basic Assessment, Water Use License Applications and Mining Environmental Management Plan for the rehabilitation of National Route R61 Section 8 between Majola Tea (Km 51) and Tombo (Km 66)
Job Title and Duties:	Project co-ordinator – Compilation of Draft and Final Basic Assessment Reports, Mining EMP and Water Use License Applications, liaison with client, environmental authorities and specialists
Value of Project:	R330,000
Location:	Redhouse, Port Elizabeth
Project duration & year:	2012
Client:	Nelson Mandela Bay Municipality
Name of Project:	Proposed Revetments along the Swartkops Estuary at Redhouse, Port Elizabeth
Project Description:	Basic Assessment Report for the establishment of revetments along a 220 m section of the Swartkops Estuary to assist with erosion control
Job Title and Duties:	Compilation of the Basic Assessment Report and Environmental Management Programme
Value of Project:	R70,000
Location:	Port Elizabeth to Colesberg
Project duration & year:	2011 - 2012
Client:	FibreCo
Name of Project:	Basic Assessment for route 6 of the proposed fibre optic data cable project.
Project Description:	Basic Assessment for the establishment of a long-haul fibre optic data cable (between PE and Colesberg) necessary to carry data communications over long distances at higher bandwidths.
Job Title and Duties:	Assisted with the compilation of the Basic Assessment Report and review of specialist reports.
Value of Project:	R 3 million
Location:	George to Port Elizabeth
Project duration & year:	2011 - 2012
Client:	FibreCo
Name of Project:	Basic Assessment for route 4 of the proposed fibre optic data cable project.
Project Description:	Basic Assessment for the establishment of a long-haul fibre optic data cable (between George and PE) necessary to carry data communications over long distances at higher bandwidths.
Job Title and Duties:	Assisted with the compilation of the Basic Assessment Report and review of specialist reports.
Value of Project:	R 3 million
Location:	Graaff-Reinet
Project duration & year:	2011-Present

Client: Camdeboo Municipality
 Name of Project: Basic Assessment for the Proposed Closure and Rehabilitation of the Existing Waste Landfill Site, Graaff – Reinet
 Project Description: Compilation of Basic Assessment Report and Waste Licence Application
 Job Title and Duties: Project co-ordinator - liaison with client, Interested and Affected Parties, specialists and relevant authorities; compilation of Basic Assessment report; management of specialists and review of specialist reports; facilitation of public participation process
 Value of Project: R117,000

Location: Qumanco River to Ngcobo Town
 Project duration & year: 2011-2012
 Client: PDNA
 Name of Project: Proposed Upgrade of the Route 61, Section 6 from Qumanco River to Ngcobo Town
 Project Description: Liaison with client, environmental authorities and specialists and assistance with compilation of Mining EMP and Water Use License Applications
 Job Title and Duties: Assisted with the compilation of the Mining EMP and Water Use License Applications, amendment to the Basic Assessment authorisation and compilation of the Basic Assessment Final Environmental Management programme.
 Value of Project: R180,000

Location: Centani to Kei River
 Project duration & year: 2011-2012
 Client: Makhetha Development Consultants
 Name of Project: Proposed Upgrade of the Provincial Road from Centane to Kei River Mouth
 Project Description: Liaison with client, environmental authorities and specialists and assistance with compilation of Mining EMP and Water Use License Applications
 Job Title and Duties: Assisted with the compilation of the Mining EMP and Water Use License Applications
 Value of Project: R150,000

Location: Port Elizabeth
 Project duration & year: 2011
 Client: Nelson Mandela Bay Municipality
 Name of Project: CE2865 NCLLS Booster Pump Stations: Environmental Management Plan
 Project Description: EMPr for the establishment of two booster pump stations as part of the Nooitgedagt Coega Low Level Water Supply Scheme
 Job Title and Duties: Compilation of the EMPr
 Value of Project: Unknown

Location: Port Elizabeth
 Project duration & year: 2011
 Client: Nelson Mandela Bay Municipality
 Name of Project: CE2865: Environmental Management Programme
 Project Description: EMPr for the upgrading of a section of the Chatty pipeline
 Job Title and Duties: Compilation of EMPr
 Value of Project: Unknown

Location: Port Elizabeth
 Project duration & year: 2011
 Client: Nelson Mandela Bay Municipality
 Name of Project: CE2733: Water Sampling Programme for Nooitgedagt / Coega Low Level Water Supply Scheme Project
 Project Description: Water Sampling Programme to monitor water quality levels before and after construction of pipeline through the Coega River
 Job Title and Duties: Compilation of Water Sampling Programme
 Value of Project: Unknown

Location: Port Elizabeth
 Project duration & year: 2011
 Client: Nelson Mandela Bay Municipality
 Name of Project: Strategy Plan for Control of Contamination of the Swartkops River
 Project Description: Coordination and control of NMBM resources for contamination control
 Job Title and Duties: Attended meetings and took minutes as well as assisted with the capturing of data
 Value of Project: R 500,000

Location: Jansenville, Eastern Cape, South Africa
 Project duration & year: 2010 to 2011
 Client: Eonian Development
 Name of Project: Proposed 10 MW Solar Farm in the Jansenville District, eastern Cape
 Project Description: Basic Assessment for a 10 MW photovoltaic solar farm located just outside of Jansenville.
 Job Title and Duties: Liaison with client and environmental authorities, assisting with project coordination, compilation of Basic Assessment Report and EMP report and facilitation of public participation process.
 Value of Project: R50, 000

Location: Nelson Mandela Bay, Eastern Cape, South Africa
 Project duration & year: 2010-2011
 Client: Freeworld Automotive Coatings (Pty) Ltd
 Name of Project: Freeworld Basic Assessment & Waste Management License Application
 Project Description: Basic Assessment and Waste License Application for the licensing of an existing hazardous waste storage facility
 Job Title and Duties: Project co-ordination - liaison with client, Interested and Affected Parties, and relevant authorities
 Value of Project: R 48,500

Location: Perseverance, Port Elizabeth, Eastern Cape, South Africa
 Project duration & year: 2010
 Client: Clover SA
 Name of Project: Report Regarding Environmental Considerations for Boilers at the Clover Perseverance Facility
 Project Description: Letter report comparing oil fired and heavy fuel fired boilers.
 Job Title and Duties: Completion and submission of an application for approval of fuel burning appliances. Consultation with neighbouring industries. Letter report comparing the health risks, carbon footprint, fuel emission, waste disposal costs and storage requirements associated with coal and heavy fuel oil fired boilers.
 Value of Project: R80, 000

Key Experience: Waste License Applications

Location: Graaff-Reinet
 Project duration & year: 2011- 2013
 Client: Camdeboo Municipality
 Name of Project: Waste License for the Proposed Closure and Rehabilitation of the Existing Waste Landfill Site, Graaff - Reinet
 Project Description: Application for the closure of the existing Graaff-Reinet Landfill
 Job Title and Duties: Compilation of a waste license application.
 Value of Project: Unknown

Location: Graaff - Reinet
 Project duration & year: 2010
 Client: Camdeboo Municipality
 Name of Project: Graaff - Reinet Waste Landfill Site Waste License
 Project Description: Application for the licensing of a new waste landfill site in Graaff Reinet.
 Job Title and Duties: Compilation of a waste license application.

Value of Project: R20, 000

Key Experience: Environmental Control Officer Work

Location: Between Cradock and Knutsford
 Project duration & year: 2013
 Client: SANRAL
 Name of Project: N10 Section 4 road rehabilitation
 Project Description: Interim auditing of road works
 Job Title and Duties: Interim Environmental Control Officer
 Value of Project: Unknown

Location: Van Stadens, Port Elizabeth
 Project duration & year: Nov 2012 – Mar 2014
 Client: Rubicept
 Name of Project: 27 MW MetroWind van Stadens Wind Farm and associated 22 kV power line 24k m in length
 Project Description: Monthly audit site visits, compilation of reports and attending contract meetings
 Job Title and Duties: Environmental Control Officer
 Value of Project: ± R 1,630, 000

Location: Port Elizabeth
 Project duration & year: 2011-2014
 Client: Nelson Mandela Bay Municipality
 Name of Project: CE2733:Nooitgedagt/Coega Low Level Water Supply Scheme – Pipeline from Olifantskop Reservoir to Motherwell Reservoir
 Project Description: Monthly audit site visits, compilation of reports and attending contract meetings
 Job Title and Duties: Environmental Control Officer
 Value of Project: R 400,000

Location: Port Elizabeth
 Project duration & year: 2011-2014
 Client: Nelson Mandela Bay Municipality
 Name of Project: CE2732:Nooitgedagt/Coega Low Level Water Supply Scheme – Pipeline from Nooitgedagt WTW to Olifantskop
 Project Description: Monthly audit site visits, compilation of reports and attending contract meetings
 Job Title and Duties: Environmental Control Officer
 Value of Project: R 400,000

Location: Port Elizabeth
 Project duration & year: 2011-2014
 Client: Nelson Mandela Bay Municipality
 Name of Project: CE2729: Nooitgedagt/Coega Low Level Water Supply Scheme – Construction of the Olifantskop Reservoir
 Project Description: Monthly audit site visits, compilation of reports and attending contract meetings
 Job Title and Duties: Environmental Control Officer
 Value of Project: R 400,000

Location: Port Elizabeth
 Project duration & year: 2011-2014
 Client: Nelson Mandela Bay Municipality
 Name of Project: CE2865:Nooitgedagt/Coega Low Level Water Supply Scheme – Construction of Standford Road and Motherwell Pump Stations
 Project Description: Monthly audit site visits, compilation of reports and attending contract meetings
 Job Title and Duties: Environmental Control Officer
 Value of Project: Unknown

Location: Port Elizabeth
 Project duration & year: 2011-2014

Client: Nelson Mandela Bay Municipality
 Name of Project: CE2728:Nooitgedagt/Coega Low Level Water Supply Scheme – Extension of the Nooitgedagt Treatment Works
 Project Description: Monthly audit site visits, compilation of reports and attending contract meetings
 Job Title and Duties: Environmental Control Officer
 Value of Project: Unknown

Location: Port Elizabeth
 Project duration & year: 2011
 Client: Nelson Mandela Municipality
 Name of Project: Papekuils Sewer Protection Construction Works
 Project Description: Interim auditing of construction works
 Job Title and Duties: Interim Environmental Control Officer
 Value of Project: Unknown

Location: Port Elizabeth
 Project duration & year: 2010
 Client: Nelson Mandela Bay Municipality
 Name of Project: Churchill Pipeline Upgrade
 Project Description: ECO for upgrade of Churchill pipeline and construction of booster pump station
 Job Title and Duties: Environmental Control Officer duties for installation of pipeline at Driftsands area and Gamtoos River area
 Value of Project: R200 000

Key Experience: Conservation

Location: Port Elizabeth
 Project duration & year: November 2010
 Client: The Matrix
 Name of Project: Aloes and Van Der Kemps Kloof Draft Declaration
 Project Description: Project to facilitate the declaration of the Aloes and Van Der Kemps Kloof Nature Reserves
 Job Title and Duties: Completed a site assessment form for the proposed reserves.
 Value of Project: R70 000 each

Location: Aberdeen
 Project duration & year: 2010
 Client: Camdeboo Municipality
 Name of Project: The Fonteinbos Nature Reserve Management Plan
 Project Description: Management plans with a co-ordinated policy framework, planning measures, controls and performance criteria, a programme for the implementation of the plan and its costing, procedures for public participation, and zoning plan.
 Job Title and Duties: Compilation of the Fonteinbos Strategic Management Plan and Annual Plan of Operations as well as managing of subsidiary plans
 Value of Project: R162, 000


Location: Port Elizabeth
 Project duration & year: 2010
 Client: Nelson Mandela Bay Municipality
 Name of Project: NMBM Biodiversity Stewardship Programme
 Project Description: Programme to form partnerships with private landowners in order to achieve the NMBM's biodiversity targets.
 Job Title and Duties: Assisting with the development of the Programme and responsible for the development of a template management plan.
 Value of Project: R356,459

Location: Nelson Mandela Bay
 Project duration & year: 2010
 Client: Nelson Mandela Bay Municipality

Name of Project:	Conservation Development Framework for the Springs Nature Reserve and surrounding private land
Project Description:	Assessment of landscape sensitivity, identification of appropriate land-use zones and appropriate management strategies for the nature reserve and surrounding private land
Job Title and Duties:	Assisted with the compilation of the CDF, facilitation of public participation process and stakeholder engagement.
Value of Project:	Unknown

Key Experience: Municipal Infrastructure Grant Applications

Location:	Port Elizabeth
Project duration & year:	November 2010
Client:	Nelson Mandela Bay Municipality
Name of Project:	NMBM MIG Application
Project Description:	Application for funding to fence the Van Der Kemp's Kloof Nature Reserve & invasive plant control operations within the Swartkops River.
Job Title and Duties:	Preparation of the MIG application and liaison with the NMBM.
Value of Project:	R24,500

Certification:	
I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.	
 <p>SRK Consulting - Certified Electronic Signature /42542/Proposal 1898-2849-4964-BUTA This signature has been printed digitally. The Author has given permission for its use for this document. The details are stored in the SRK Signature Database</p>	Date: 23/06/2016
Full name of staff member:	Tamarin Veronica Burton