

Appendix 1: Curricula Vitae



Jacqueline Karen Davis

PERSONAL DATA

Name	Jacqueline Davis
Date of Birth	1984-06-06
Nationality	South African
Qualification	BSc - Environmental Science BSc (Honours) Geography
Years of Experience	7
Profession	Environmental Consultant

EDUCATION

- 2003-2005: BSc Environmental Sciences, University of Pretoria.
 - 2006-2007: Honours (*cum laude*) Geography, University of Pretoria.
-

EMPLOYMENT RECORD

- 1) **March 2006 – May 2011:** University of Pretoria (UP) – Teaching Assistant and Part-time Junior Lecturer; Department of Environmental Affairs and UP – Field-based Researcher (Marion Island and Antarctica).
 - 2) **01 March 2012 – 31 May 2013:** Department of Environmental Affairs; Directorate: Southern Oceans and Antarctic Support (D:SO&AS), SANAP (South African National Antarctic Programme) – Environmental Control Officer (ECO) (14 month contract).
 - 3) **01 November 2013 – 31 December 2013:** KSE Services CC – Professional Assistant, and Public Participation Assistant.
 - 4) **01 January 2014 – 15 January 2016:** uKhozi Environmentalists (Pty) Ltd. – Junior Environmental Assessment Practitioner.
 - 5) **18 January 2016 – 31 May 2017:** Ecoleges Environmental Consultant CC (subcontracted to Basil Read) – Site Environmental Officer (SEO).
 - 6) **03 August 2017 - Current:** Nemai Consulting CC – Environmental Control Officer (ECO); Environmental Manager and Environmental Assessment Practitioner (EAP).
-

SUMMARY OF KEY ENVIRONMENTAL EXPERIENCE

- 1) Prince Edward Islands: first dedicated ECO –
 - a. Monitoring all Island activities (construction, logistics, and scientific research) compliance to the Environmental Authorisation, Prince Edward Island Management Plan, and relevant Permits, and associated monthly reporting;
 - b. Development and implementation of environmental management procedures, policies, and standard operating procedures (Inspection checklists; Island Biosecurity Plan and Procedure; Disease Outbreak Plan and Emergency Procedure; Hazardous substance spill emergency procedure; etc.);
 - c. Mitigation and control of environmental incidences;

- d. Development, Implementation and monitoring of the intensive Alien Eradication and Control Programme (for 7 plant spp., 1 invertebrate, and 1 mammal spp.);
 - e. Development of a working Herbarium for Island flora.
- 2) Site Environmental Officer, Trans-Caledon Tunnel Authority (TCTA) Olifants River Water Resources Development Project (ORWRDP) Phase 2C, Steelpoort area, Limpopo Province:
 - a. Implementation of compliance to the Environmental Authorisation (EA) and Environmental Management Plan (EMP) conditions and Specific Project Specifications;
 - b. Implementation of pro-active environmental management to achieve best practice;
 - c. Facilitation of the remediation of identified non-compliances;
 - d. Daily site inspections, compliance monitoring, and both weekly and monthly monitoring reporting;
 - e. Monthly interpretation and reporting of water quality results.
 - 3) EAP, Goedehoop Colliery Integrated Mining Right, EIA and Water Use License Applications: Public Participation Process and report review.
 - 4) EAP, Goedehoop Colliery Socio-Economic Assessment: community and landowner consultation, interviews and formulation of socio economic factors database.
 - 5) EAP, Kiepersol Colliery and Railway Siding water quality monitoring: monthly surface and quarterly groundwater sample collection, interpretation of results, and monthly reporting.
 - 6) EAP, Kiepersol Colliery EMPr Performance Assessment: performance assessment audit, public participation, and reporting.
 - 7) EAP, Welgedacht Coal Railway Siding: Basic Assessment Report, EMPr, and Public Participation Process.
 - 8) EAP, Welgekozen Fuel Station: Basic Assessment Report, EMPr, and Public Participation Process.
 - 9) EAP, Proxor Water Use License Application: Compilation of IWWMP and Public Participation Process.
 - 10) EAP, Proxor Prospecting Right Application (S.16): Public consultation and compilation of consultation report.
 - 11) EAP, Scoping and EIA: Emkhiweni Substation and 400KV Line from Emkhiweni Substation to Silimela.
 - 12) EAP, Integrated Waste Management Plan (IWMP): King Cetswayo District Municipality.
 - 13) EAP, Environmental Management Framework (EMF): City of Mbombela.
 - 14) ECO, Improvement and Upgrade of National Route R23 – Section 1 between Platrand and Standerton and Section 2 between Standerton and Greylingstad, South Africa: monthly ECO monitoring for SANRAL.
 - 15) ECO, Upgrade and Extension of the Klipdrift Water Treatment Works, South Africa: monthly ECO monitoring and reporting for Magalies Water.
 - 16) ECO, De-sludging of Dam 1 at Northern Wastewater Treatment Works, South Africa: monthly ECO monitoring and reporting for Johannesburg Water.
 - 17) ECO, Development of the Sol Plaatjie University Precincts, South Africa: monthly ECO monitoring and reporting for the Department of Higher Education and Training (DHET).

- 18) ECO, Construction of the new University of Mpumalanga, South Africa: monthly ECO monitoring and reporting for the Department of Higher Education and Training (DHET).
- 19) ECO, Construction of water pipeline in Ennerdale, South Africa: monthly ECO monitoring and reporting for Johannesburg Water.
- 20) ECO, Construction of water pipeline from Wallmannsthal Reservoir to Zeekoegat Area, South Africa: monthly ECO monitoring and reporting for Magalies Water.
- 21) ECO, Renovation and upgrade of the Marotola Primary School, Hammanskraal, South Africa: monthly ECO monitoring and reporting for Gauteng Province Department of Infrastructure Development.
- 22) ECO, Construction of bulk water supply, Ledig Community, North West, South Africa: ECO monitoring and reporting for Bakubung Minerals.
- 23) ECO, Upgrade of Emergency Overflow Dam at Driefontein Wastewater Treatment Works, South Africa: monthly ECO monitoring and reporting for Johannesburg Water.
- 24) ECO, Oxford Parks Development, South Africa: monthly ECO monitoring and reporting for Intraprop Property Development and Investment.
- 25) ECO, Sharonlea Housing Development, South Africa: monthly ECO monitoring and reporting for VTC Africa.
- 26) ECO, Olifants River Water Resources Development Project (ORWRDP) Phase 2C, South Africa: weekly ECO inspections and monthly ECO monitoring and reporting including participation in the Environmental Monitoring Committee, for Trans-Caledon Tunnel Authority (TCTA).
- 27) ECO, Mixed Use Housing Development and Rondebult Road upgrade, Boksburg, South Africa: monthly ECO monitoring and reporting for Leeuwoort Developments (Pty) Ltd.
- 28) ECO, Merapi and Everest Substation Upgrade, Free State, South Africa: biweekly ECO site inspections, monthly ECO monitoring, and reporting for Eskom Holdings SOC Ltd.
- 29) Legal Compliance Auditor, Kusile Power Station Safety Health and Environmental (SHE) Legal Compliance Audit (2018), South Africa: Environmental compliance audit for Eskom Holdings SOC Ltd.
- 30) Compliance Auditor, Technical and Compliance Assurance Audit on Waste Management Services Provided by EnviroServ Waste Management, South Africa: cradle to grave audit on selected waste streams generated by SASOL and handled by EnviroServ including duty of care compliance audit on EnviroServ systems and operations for SASOL Chemical Industries (Pty) Ltd.
- 31) Compliance Auditor, Matimba Power Station, Waste Licence Audit (2019), South Africa: Environmental compliance audit for Eskom Holdings SOC Ltd.

LANGUAGES

English - excellent speaking, reading, and writing

Afrikaans - fair speaking, reading, and writing



1 Personal Particulars

Proposed Position:	Environmental Assessment Practitioner
Profession:	Environmental Management
Date of Birth:	11 October 1989
Name of Firm:	Nemai Consulting
Name of Staff:	Kristy Robertson
Years with Firm/Entity:	5 Years
Nationality:	South African
Membership of Professional Societies	Professional Natural Scientist-Environmental Science (Reg number: 116238) with South African Council for Natural Scientific Professions (SACNASP)

2 Education:

M. Sc. Environmental Sciences, WITWATERSRAND, South Africa, 2013.

B. Sc (Hons) Zoology, WITWATERSRAND, South Africa, 2011.

B. Sc Zoology, WITWATERSRAND, South Africa, 2008 - 2010.

Planet GIS Conversion Training Version 3 to 4 Certificate of Attendance, TOTAL GEO-SPATIAL INFORMATION SOLUTIONS, South Africa, 2014.

3 Employment Record:

2013 - Present Environmental Consultant, Nemai Consulting:

Compilation of Scoping and Environmental Impact Assessments, Basic Assessments and Water Use Licenses.

4 Selected Consultancies

4.1 Water Use License Applications

2013 – Construction of the GRP bypass line in the Caledon River region in Bloemfontein, Free State.

2013 – Upgrade of Albert Luthuli Drive in eMbalenhle Township, Govan Mbeki Municipality, Mpumalanga.

2013 – Development of Further Education Training College (FET) in Balfour. Mpumalanga.

2013 – Development of Further Education Training College (FET) in Sterkspruit FET College, Eastern Cape.

2014 – Proposed replacement of the existing Anthea Nancefield outfall sewer line in Soweto, Gauteng.

2014 – Proposed construction of a water pipeline in Mountain View, City of Johannesburg Metropolitan Municipality in Gauteng.



- 2014 – Proposed installation of a water pipeline in Diepsloot, Gauteng.
- 2014 – Development of the Cosmo City Fire Station, Gauteng.
- 2014 – Upgrade of the Rand Water Mapleton Pump Station, Gauteng.
- 2014 – Construction of a 500mm Ø steel Inlet Trunkmain to Hammarsdale High Level Reservoir, KwaZulu-Natal.
- 2014– Augmentation of water supply to the Maphephetheni and Mgangeni areas, KwaZulu-Natal.
- 2014 – Construction of Mtwalume Dam and Associated Infrastructure, Vulamehlo Cross Border Water Scheme, Harry Gwala and Ugu District Municipality, KwaZulu-Natal.
- 2014 – Proposed Lerome Bulk Water Supply Scheme, North West.
- 2015 – Proposed replacement of the existing Ivory Park sewer pipeline in Ivory Park, Gauteng.
- 2015 – Johannesburg Water Carlswald Sewer Pipeline Upgrade in Johannesburg, Gauteng Province.
- 2015 – Proposed replacement of water pipelines in Jukskei Park, Gauteng.
- 2015 – Proposed upgrade of sewer outfall pipeline in Diepkloof, Gauteng.
- 2015 – Vaal Gamagara Pipeline, Northern Cape.
- 2015 – The proposed cross-border Magalies Water bulk water supply system, within the City of Tshwane Metropolitan Municipality and Moretele Local Municipality, South Africa.
- 2015 – The proposed Ledig Water Supply Project, South Africa.
- 2016 – Proposed Crawford Preparatory School Extension and Stormwater Infrastructure in Johannesburg, Gauteng Province.
- 2016 – The Bambanani Stormwater Pipeline, Gauteng Province, South Africa.
- 2016 – Limpopo Academic Hospital and Medical Facility, Limpopo.
- 2017 - Maselspoort Water Reuse Facility, Free State.

4.2 Basic Assessments

- 2013 – JDA Rea Vaya BRT Alexandra Bus Depot in Alexandra, Gauteng.
- 2013 – JDA Rea Vaya BRT Avalon Bus Depot in Avalon, Gauteng.
- 2013 – Construction of the GRP bypass line in the Caledon River region in Bloemfontein, Free State.
- 2013 – Construction of a 20ML Reservoir and associated 300 l/S pump station and 10.585km, 700mm diameter pipeline from Wallmansthal Reservoir to Bavianspoort Reservoir, Tshwane, Gauteng.
- 2013 – Upgrade of Albert Luthuli Drive in eMbalenhle Township, Govan Mbeki Municipality, Mpumalanga.
- 2013 – Development of Further Education Training College (FET) in Aliwal North, Eastern Cape.
- 2013 – Development of Further Education Training College (FET) in Balfour. Mpumalanga.



- 2013 – Development of Further Education Training College (FET) in Graaff-Reinet, Eastern Cape.
- 2013 – Development of Further Education Training College (FET) in Sterkspruit FET College, Eastern Cape.
- 2013 – Development of Further Education Training College (FET) in Ngqungqushe, Eastern Cape.
- 2014 – Construction of a 1.2km water supply pipeline and a 200mm scour pipeline in Lenasia South, Gauteng.
- 2014 – Proposed replacement of the existing Anthea Nancefield outfall sewer line in Soweto, Gauteng.
- 2014 – Proposed construction of a water pipeline in Mountain View, City of Johannesburg Metropolitan Municipality in Gauteng.
- 2014 – Proposed installation of a water pipeline in Diepsloot, Gauteng.
- 2014 – Proposed upgrade of Bramley View pipeline, Gauteng.
- 2014 – Upgrade of the Rand Water Mapleton Pump Station, Gauteng.
- 2014 – Upgrade of the Golden Harvest Drug and Rehabilitation Centre, Randburg, Gauteng.
- 2014 – Construction of a pedestrian bridge at Kya Sands informal settlement, Gauteng.
- 2014 – Construction of a new sludge pipeline, 1.45km in length and 800mm in diameter, at Panfontein Pumping Station in the Midvaal Local Municipality, Gauteng.
- 2014 – Construction of a 500mm Ø steel Inlet Trunkmain to Hammarsdale High Level Reservoir, KwaZulu-Natal (*Environmental Authorisation in Progress*).
- 2014 – Augmentation of water supply to the Maphephetheni and Mgangeni areas, KwaZulu-Natal (*Environmental Authorisation in Progress*).
- 2014 – Associated Infrastructure, Vulamehlo Cross Border Water Scheme, Harry Gwala District Municipality, KwaZulu-Natal.
- 2015 – Proposed replacement of the existing Ivory Park sewer pipeline in Ivory Park, Gauteng.
- 2015 – Proposed replacement of water pipelines in Jukskei Park, Gauteng.
- 2015 – Proposed upgrade of sewer outfall pipeline in Diepkloof, Gauteng.
- 2015 – Johannesburg Water Sandton Bulk Water Pipeline, Gauteng.
- 2015 – Proposed upgrade of Dekema sewer outfall pipeline in Alberton, Gauteng.
- 2015 – Proposed upgrade of SAB Huntersfield sewer outfall pipeline in Alberton, Gauteng.
- 2015 – 100MI Rand Water Bronberg Reservoir and associated infrastructure, Gauteng.
- 2016 - Proposed monitored trial embankment – Kriel power station, Mpumalanga
- 2017 - Rehabilitation of Ship Repair Facility in Mossel Bay, Western Cape.
- 2017 – Lanseria Outfall Sewer Pipeline, Gauteng.
- 2017 – Proposed K60 Road in Rabie Ridge, Gauteng.
- 2017 – Duvha Ash Dam Seepage Interception Drains, Mpumalanga.



4.3 Scoping and Environmental Impact Assessments

- 2013 – Rustenburg Medical Waste Treatment Facility, North West.
- 2013 – Proposed K154 Road Upgrade in Midvaal Municipality, Gauteng.
- 2014 – Proposed Brandkop Mixed Use Development in Bloemfontein, Free State.
- 2014 – Construction of Mtwalume Dam, Vulamehlo Cross Border Water Scheme, Harry Gwala District Municipality, KwaZulu-Natal.
- 2015 – New Lanseria Wastewater Treatment Works, Gauteng.
- 2016 – Limpopo Academic Hospital and Medical Facility, Limpopo (*Environmental Authorisation in Progress*).
- 2016 – Proposed ATNS Isando Property Development, Gauteng.
- 2017 – Long-Term Solution to address the Acid Mine Drainage associated with the East, Central and West Rand underground mining basins.
- 2017 – Emkhiweni Substation and 400KV Line from Emkhiweni Substation to Silimela.
- 2017 – Mookodi-Mahikeng 400kV Powerline, North West.

4.4 Public Participation Experience

- Compiling Public Participation documents.
- Public Notification: Placement of site notices, newspaper adverts and handing out documents to Interested and Affected Parties.
- Public Meetings.

4.5 Geographic information Systems (GIS) Experience

- Mapping, Spatial Analysis, and Aerial Environmental Sensitivity Screening.
- Advanced experience using Planet 4 GIS.

4.6 Section 24(G) Applications

- 2014 – Replacement of J8 Shamrock Road Leeuwoort pipeline near Germiston, Gauteng.
- 2014 – Upgrade of sewerage pipeline in the Bloubospruit in Kibler Park, City of Johannesburg Metropolitan Municipality, Gauteng.
- 2014 – Upgrade of Driefontein Wastewater Treatment Works, City of Johannesburg Metropolitan Municipality, Gauteng.
- 2016 – Construction of the Enlightened Christian Gathering Church in Johannesburg, Gauteng Province.

5 Languages:

English - excellent speaking, reading, and writing

Afrikaans - fair speaking, reading, and writing

Curriculum Vitae

- | | |
|-------------------|--------------------|
| 1. Family Name: | Naidoo |
| 2. First Name: | Dhanashree (Nicky) |
| 3. Date of Birth: | 1973-03-27 |
| 4. Nationality: | South African |
| 5. Education: | |

Institution (Date from – Date to)	Degree(s) or Diploma(s) obtained
University of Natal 1991 to 1994	B.Sc. Chemical Eng

- | | |
|---|---|
| 6. Membership of professional bodies: | IAIA, SAICheEng |
| 7. Other skills (e.g. computer literacy, etc.): | Computer Literate, Training, chemical engineering |
| 8. Present position: | Director |
| 9. Years within the organisation: | 11 |
| 10. Key qualifications (relevant to the project): | B.Sc. Chemical Eng |
| 11. Professional experience: | |

Date (From – To) (mm/yy)	95 - 03/98
Organisation	ESKOM
Location	Jhb
Position	Engineer
Description of duties	Waste Water Treatment Power Stations Social Engagement with communities around Power Stations to determine service delivery needs. Responsible for various research project throughout the country

Date (From – To) (mm/yy)	04/98 – 12/99
Organisation	Bergman Ingerop
Location	Jhb
Position	Environmental and Social Engineer
Description of duties	Manager of the Environmental and Social Unit of the company which is a French company. Worked throughout Africa on Environmental Projects.

Date (From – To) (mm/yy)	01/00 to date
Organisation	Nemai Consulting
Location	Jhb, Durban, Rustenburg
Position	Director
Description of duties	Project Manager of all strategic and large-scale projects.

12. Selected experience:

- EIA Project Manager for the construction of a pump station at Dam 02 - Bushkoppies Waste Water Treatment Works, for Johannesburg Water.
- EIA Project Manager for the increase in sludge treatment capacity including new lime dosing plant at Northern WWTW, for Johannesburg Water.
- EIA Project Manager for a new WWTW on the Hennops River and the upgrade of the Sunderland Ridge WWTW, for the City of Tshwane (currently underway).
- EIA Project Manager for the construction of new treatment unit including sedimentation tanks, BNR activated sludge treatment and chemical dosing facility at Northern WWTW, for Johannesburg Water.
- EIA Project Manager for the construction of thickeners at the Goudkoppies WWTWs, for Johannesburg Water.
- EIA Project Manager for the upgrade of the Zandspruit Pump Station, for Johannesburg Water.
- EIA for the Ivory Park Sewerage Network (phases 9 to 14), for Johannesburg Water.
- EIA Project Manager - blanket environmental consultant to Johannesburg Water on all EIA applications (water and sanitation) for the 2003/2004 and 2004/2005 financial years.
- Project Manager - Environmental compliance monitoring for the construction of Unit 5 at Northern Water Treatment Works, for Johannesburg Water
- Project Manager - EIA for the 300km Eskom Powerline – North South Strengthening EIA, Mpumalanga
- Project Manager - EIA for the Ivory Park Sewerage Network (phases 9 to 14), for Johannesburg Water.
- EIA Project Manager for the construction and upgrade of the water supply pipeline from Country View Reservoir, for Johannesburg Water.
- EIA Project Manager for the upgrade of the Helderkruin Reservoir, for Johannesburg Water.
- Project Manager - EIA for the Modderfontein Outfall Sewer, for Johannesburg Water.
- Project Manager - EIA for Slangfontein to Mapleton Pipeline, for Rand Water.
- Project Manager - EIA for the Fischer Tropsch Wax Expansion project, for Sasol Technology.
- Project Manager - EIA for the de-bottlenecking of the Acrylic Acid and Acrylates (AAA) complex, for Sasol Technology.
- Environmental design review of the Naphta Tar Extraction Plant at Sasol.
- Environmental design review of the upgrade of certain process at SAPREF Plant.
- Environmental design of the Total Gas Bottling Plant in Senegal.