

## LANE, SUE

**Name of organization:** Lwandle Technologies (Pty) Ltd.  
**Profession:** Environmental Scientist and Assessment Practitioner  
**Position in Firm:** Associate  
**Date of Birth:** 25/07/1951  
**Years with Firm:** 12 years

---

### BIOGRAPHICAL SKETCH

I carried out postgraduate studies in teaching science and biology at the University of Natal (Pietermaritzburg) (UED) and in environmental science at the University of Cape Town (MSc).

Subsequent to this, I was employed by the Transvaal Department of Nature Conservation for a year and then the Department of Environmental Affairs oceans and coasts division of government. During this period (1980 – 1990) I was responsible for promoting the adoption of integrated environmental management in the private and public sectors in the coastal zone of South Africa. My responsibilities included reviewing environmental evaluations and management programmes for all activities in marine and coastal areas of the country; developing environmental legislation and resource use policy; advising on the allocation of funds for natural research institute programmes, and on legal and administrative procedures for environmental conservation measures in the coastal zone. During this period I also successfully completed the course work component of a post graduate diploma in Marine Law at the University of Cape Town.

After leaving government I was employed for six years as a senior environmental consultant at, and during 1994 and 1995 as co-manager of, the Environmental Evaluation Unit at the University of Cape Town. I made specialist contributions to and /or managed Environmental Evaluations and audits from the project to policy levels. Responsibilities also included contributing to the development of the Integrated Environmental Management procedure, and undertaking some teaching.

Since 1996 I have been running an independent environmental consultancy called Sue Lane & Associates Environmental Services cc. and providing a range of professional services in environmental planning and management. My focus has been on marine and coastal environments, and also on fresh water systems. Work has been undertaken for private companies, governments and environmental and international agencies.

Since 2005 I have been working primarily with Lwandle Technologies (Pty) Ltd., marine environmental services, advising about and assisting with integrating marine specialist information into baseline reports, environmental assessments and management and monitoring programmes.

---

### QUALIFICATIONS

MSc Environmental Studies	University of Cape Town	1980
BSc Entomology, Zoology, & UED	Natal University (Pmb)	1974 & 5

---

### PROFESSIONAL REGISTRATION

I am registered as Professional Natural Scientist in environmental science with the South African Council for Natural Scientific Professions (registration #113902) and am registered as an Environmental Assessment Practitioner with the interim certification board (EAPSA).

---

## EMPLOYMENT RECORD

2005-present	Associate of Lwandle Technologies, Pty. Ltd., Marine Environmental Services, Cape Town.
1996-present	Director of my own company Sue Lane & Associates, an independent specialist consultant in environmental planning and management, Cape Town.
1990-1996	Senior environmental consultant at the Environmental Evaluation Unit of the Environmental and Geographical Sciences Department of the University of Cape Town.
1981-1990	Professional officer with the National Department of Environment Affairs - Marine and Coastal Management, Cape Town.
1979-1980	Professional officer with the (former) Provincial Department of Transvaal Nature Conservation, Pretoria.
1976-1978	Research assistant for SANCOR programme, identifying estuarine and sub-Antarctic zooplankton, Cape Town.
1976	Maths, Biology and English teacher at Manenberg High School, Cape Town
1975	Technician at the Department of Agriculture's Domestic Waterfowl Breeding Unit, Cedara, KwaZulu Natal.

---

## RECENT EXPERIENCE RECORD – CONTRACTS (2010 to date)

current	Environmental Assessment Practitioner (EAP) for the identification of coastal sites for installation and testing of high frequency radar to provide near real time, remotely sensed, environmental data on sea surface current and wave conditions off the south coast of RSA. For Actimar Operational Oceanography (Actimar).
current	Environmental Assessment Practitioner (EAP) for the testing of Wave Energy Reverse Osmosis Pumps (WEROPs). For Impact-Free Water (Pty) Ltd., Cape Town.
2017	Advisory review of documentation and monitoring, stakeholder engagement and training procedures, in compiling the Benguela Current Commission's pollution monitoring programme for South Africa, Namibia and Angola.
2017	Internal review of a monitoring plan for intake water for a proposed seawater desalination plant at Koeberg Nuclear power Station. For iX Engineers, Cape Town.
2017	Internal review of a marine ecology assessment of the effects of Koeberg Nuclear power Station discharges with the potential addition of sea water and brackish water reverse osmosis desalination plant discharges; for a revised coastal waters discharge permit. For PRDW, Cape Town.
2017	Core team member for the development of a Coastal Access Strategy for the Western Cape Provincial Government's Department of Environmental Affairs and Development Planning (DEADP), for Errol Cerff.
2017	Advice and review of marine and coastal baseline report and impact assessment for Port St Johns Tidal Pool, Eastern Cape Province, as part of an S&EIR being conducted by CES/EOH.
2016	Review of marine input to a BAR and CWDP (Coastal Waters Discharge Permit in terms of NEM:ICMA) for Aquinion's abalone hatchery and grow-out facility, between Gouritzmond and Stilbaai on the Cape South Coast.
2016	Internal review of report on a marine discharge assessment in support of Eskom's Coastal Waters Discharge Permit application for Koeberg Nuclear Power Station. PRDW and Eskom.
2016	Marine and estuarine baseline description and EIA for a proposed port for the export of coal, at the Macuse River mouth, near Quelimane. Zambezia Province, central Mozambique. ItaIThai.

- 2016 Initial evaluation of location options for High Frequency Radar base stations on the coast for marine sea surface observation. RSA south coast. Actimar and Lwandle.
- 2016 Review of marine baseline reports and marine component of EIAs and EMPs for Floating Power Plants (short term options) in Richards Bay and in Saldanha Bay. RSA Department of Energy.
- 2016 Compilation of a Stakeholder Analysis, and participation in the development and review of a Strategic Workflow to enable oilfield decommissioning. Block 9 offshore Mossel Bay, South Africa. PetroSA.
- 2015 IFC Performance Standard 6, marine Critical Habitats assessment for Palma Bay. Northern Mozambique. Anadarko.
- 2015 Quantitative baseline survey of the benthic communities and sediments for a proposed Conventional Buoy Mooring (CBM) and new quay in Luanda Bay, and a management plan for invasive alien species which may be introduced. Luanda Bay, Angola. Puma Energy Angola (Pumangol).
- 2015 Post ESHIA marine environmental baseline surveys for an LNG plant development at Palma. Northern Mozambique. Anadarko.
- 2014 EIS Addendum for Blocks 12/13/30/45 (MinAmb instruction to reduce extent of area for seismic survey i.e. to cover a portion of the original survey area. Southern Angola. WesternGeco.
- 2014 Marine ecology assessments for proposed berth extension in the Port of Ngqura. Coega IDZ, Eastern Cape, RSA. Transnet.
- 2014 Marine baseline component of EA for exploratory drilling. Block 19 offshore Angola. BP Angola.
- 2013 Marine component of EIA and EMP for exploratory drilling. Block 23 offshore Angola. Maersk Oil, Angola.
- 2013 Mpungi Field offshore Angola marine environmental baseline and EA. Block 15/06 offshore Angola. Eni Angola.
- 2013 Marine component of EIA and EMP for Sonangol's Offshore Optical Cable system. Central and northern Angola. Sonangol.
- 2013 East Hub offshore Angola marine environmental baseline and EA. Block 15/06 offshore Angola. Eni Angola.
- 2013 West Hub offshore Angola marine EA. Block 15/06 offshore Angola. Eni Angola.
- 2013 Marine baseline component of EA for exploratory drilling. Block 24 offshore Angola. BP Angola.
- 2013 Marine ecology assessment for proposed development of gas field and LNG plant. Mozambique offshore Block 1. Anadarko.
- 2013 Marine component of EIA and EMP for seismic survey. Block 23 offshore Angola. Maersk Oil, Angola.
- 2012 Marine ecology assessment for proposed development of an Iron Ore export facility in the port of Monrovia. Liberia, Monrovia. China-Union Investment Co.
- 2012 Marine component of EIA and EMP: exploration drilling of Curoca-1, Mulavi, Caporolo-2. Block 16 offshore Angola. Maersk Oil, Angola.
- 2012 Marine ecology assessments for proposed Manganese terminal in the Port of Ngqura. Coega IDZ, Eastern Cape, RSA. Transnet.
- 2012 Marine component of EIA and EMP: seismic survey. Angola offshore Namibe Basin Blocks. WesternGeco.
- 2012 Marine ecology assessments for Liquid bulk storage and handling facility in the Port of Ngqura. Coega IDZ, Eastern Cape, RSA. Oiltanking Grindrod Calulo (PTY) Ltd.
- 2012 Marine component of EIA and EMP: seismic survey. Angola offshore Blocks UltraDeepNW, 49 & 50. WesternGeco.
- 2012 Marine ecology assessment for oil spills in Saldanha Bay: for development of a crude oil storage facility. Saldanha Bay, Western Cape, RSA. MOGS (Pty) Ltd.

- 2012 Proposed LPG Bulk Importation into Saldanha Bay. Saldanha Bay, Western Cape, RSA. Sunrise Energy (Pty) Ltd.
- 2012 Compiled a generic risk assessment and aspects and impacts, and commitments, registers for a range of seismic survey types. Blocks 18 & 31 offshore Angola. BP Angola.
- 2012 Specialist assessment of risks to marine life in the water column from dredging for phosphates on Namibia's continental shelf. Offshore Walvis Bay. Namibian Marine Phosphate.
- 2012 2nd draft: Upgrade of Bulk Water Supply facilities (Muldersvlei component) to the Cape Metropolitan Area, for the City of Cape Town Municipality. Cape Town, RSA. Chand Environmental/ City of Cape Town.
- 2011 Marine input to EIA for deep-water seismic survey. Blocks 21 & 22 offshore Angola. Sonangol/ WesternGeco.
- 2011 Development of west hub: FPSO site and pipelines. Block 15/06 offshore Angola. ENI.
- 2011 EMPs for FA-EM, SCG, Sable and Oribi-Oryx production areas, with risk assessment and broad cost estimates for decommissioning. Block 9 offshore Mossel Bay, South Africa. PetroSA.
- 2011 Marine component of EIA and EMP: seismic survey. Block 16 offshore Angola. Maersk Oil, Angola.
- 2011 Environmental baseline study for the transshipment of coal through the Zambezi River mouth. Zambezi River, Mozambique. Riversdale, Mozambique.
- 2011 Marine water and sediment quality baseline for the establishment and operation of an oil refinery at Lobito Bay. Lobito Bay. Sonaref, Angola.
- 2010 Marine component of EIA and EMP: Ogonga+ Onguari drilling 2 wells. Angola offshore Block 26. Petrobras.
- 2010 Marine component of EIA and EMP: MOW-Canuku decommissioning pipelines. Angola offshore Block 2. Sonangol P&P.
- 2010 Marine component of EIA and EMP: Ultra-deep seismic 1 survey. Angola offshore Blocks 35- 38. TGS.
- 2010 Environmental baseline study for the establishment of a coal export facility. Nacala Bay, Mozambique. Vale Mozambique.
- 2010 Marine component of EIA and EMP: Coastal seismic 1 survey. Angola offshore Block 9. WesternGeco.
- 2010 Marine component of EIA and EMP for seismic survey. Angola offshore Blocks 19 & 20. WesternGeco.



09/10/2017