

Curriculum vitae of Jessica Louise Le Roux

Personal Details

Nationality: South African

ID: 9003160270083

Address: 6a Avalon Road, Claremont, Cape Town 7708

Date of Birth: 16.03.1990

Marital Status: Single

Health: Excellent

Language Proficiency: English - Excellent: speaking, reading, writing Afrikaans- Second language, moderate skill

Driver's license: Yes

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Jessica Le Roux has completed her professional registration in terms of section 20(3) (b) of the Natural Scientific Professions Act, 2003 (Act 27 of 2003) as a Professional Natural Scientist in the field of practice Environmental Science (Registration number 400192/16).

Work Experience

May-July 2013: Research assistant at the University of Cape Town Zoology Department

August 2013- Current: ISO50001 Energy Expert and Head of Training at Eco Impact Legal Consulting (Pty) Ltd.

Key Responsibilities:

ISO50001

Implementing ISO50001including:

- Baseline calculation of recent energy consumption
- Detailed baseline calculation
- Support to the exercise of Measurement & Verification of implemented measures
- Developing procedures and policy documents

Training

- Development of training brochure
- Marketing of training department
- Liaison with clients
- Developing training material on a variety of Environmental and Health and Safety topics
- Compiling examination paper questions and marking of papers
- Facilitating and presenting workshops on a variety of Environmental and Health and Safety topics

Auditing (Sustainability, Systems)

- Schedule pre-audit meeting with the client and Send pre-audit meeting agenda to client
- Schedule audit dates with the client and Send audit schedule
- Attend/complete audit and write up audit reports
- Compiling of close out reports

Online Legal Registers (ISO14001, OSHAS18001, ISO22000 and ISO50001)

- Keeping Legislation registers up to date in terms of amendments to law
- Build / compile legislation registers
- Summarising national, provincial and local legislation

Senior EAP

- Drafting / Completing Application forms for Basis Assessment Reports and Full Scoping Environmental Impact Reports
- Drafting / Completing draft and final Basis Assessment Reports and Full Scoping Environmental Impact Reports
- Public participations process
- Drafting Environmental Management Plans

Other

- Compile “Aspects and Impacts Registers” for clients sites
- Assist with compilation of Integrated Waste Management Plans and Corrective Action Plans

Key Experience

Systems

Jessica has attended the numerous internal ISO14001 audits (including Paarl Media Cape, Dupont and Betafence Projects South Africa) as a trainee auditor with a lead system compliance auditor. Jessica assisted with the drafting of the audit checklist, audit and drafting of the system compliance audit report under the supervision of the auditor in question. Jessica has also compiled a number of Aspects and Impacts Registers for client's certification purposes such as Chryso - Boksburg and Isipingo sites. Jessica was also heavily involved in the drafting of ISO 14001 system documentation for Betafence Projects SA.

Training

- Compiled training material on numerous topics such as The Construction Regulations 2014, Carbon Tax, ISO14001 and OSHAS18001 system overview etc.
- Compiled training material of Health and Safety and Environmental Management training for Pioneer Foods. This included an examination for delegates. Jessica compiled the exam questions. Jessica presented this training to all Pioneer Foods Essential Foods bakeries and mills throughout South Africa in 2017.
- Conducted training at Retail Brands InterAfrica in Wadeville Gauteng. The training was “Legal Update Training: with a focus on the implications of the new draft greenhouse gas regulations”.

Education

2012 - University of Cape Town

MSc in Applied Marine Science (by coursework and dissertation)

Course work subjects: Project Management, Numerical skills & Statistics, Ocean Tools, Marine Environmental Law, Introduction to Global Warming & Earth System Science, Population & Fisheries Modelling, Marine Conservation, Ecosystem Approach to Fisheries and Marine Ecosystems.

Master's thesis- "A comparison of parasite assemblages of Cape horse mackerel (*Trachurus capensis*) from the northern and southern Benguela."

2011 - University of Cape Town

BSc (Honours) in Environmental and Geographical Science (specialization Environmental Management)

Course work subjects: Environmental Law for non-lawyers, Living with Environmental Change, Environmental Management and Applied research in Environmental Management.

Honours thesis – "An examination of the encroachment of *Putterlickia pyracantha* in the Witzands Aquifer Nature Reserve."

2008 – 2010 - University of Cape Town

BSc in Environmental and Geographical Science and Oceanography and Atmospheric Science

Deans Merit list 2010

1996 – 2007 - St Mary's DSG, Kloof, KZN Subjects: Mathematics, English, Afrikaans, Geography, Biology, History

Additional courses

1. 2011 - DWESA Climate Research Camp

Held in the Eastern Cape headed up by Professor Bruce Hewitson, UCT. Selected to attend a week long joint research effort with Pennsylvania State University, USA.

2. 2011 - Course on Water Economics and Governance

Under the auspices of the Freshwater Research Unit, UCT headed up by Professor Quentin Grafton (UNESCO Chair in Water Economics and Trans-boundary Water Governance at the Australian National University).

3. 04-05 February 2015 – Energy Management Systems Implementation (EnMS) 2 day Advanced Training (UNIDO, NCPC)

"The advanced course equips trainees with the knowledge, understanding and tools that will enable them to initiate the development and implementation of an EnMS that is aligned with ISO 50001."

4. May 2015- May 2016 – Energy Management Systems Implementation (EnMS) Expert Level Training (UNIDO, NCPC)

"This programme presents a methodological, organised approach to managing energy usage, based on the SANS/ISO 50001 standard. It is aimed at individuals who are responsible for developing and implementing energy management systems in their companies."

The end user course equips trainees with the knowledge, understanding and tools that will enable them to initiate the development and implementation of an EnMS that is aligned with ISO 50001.

The expert course is aimed at equipping delegates with the necessary knowledge, skills and tools to support the adoption and implementation of EnMS in industry. Delegates will gain practical experience in implementing and reviewing an EnMS, as well as being able to report on its performance."

During this course Jessica successfully implemented an ISO 50001 system at a company in Atlantis and achieved an overall score of 88%.

5. 10 August 2016 - Energy Performance Measurement and Indicators (EnPMI) - ISO50006 - 2 day Advanced Training (UNIDO, NCPC)

The goals of the EnPMIs training were:

- To promote and disseminate international best-practices for energy performance measurement and indicators for ISO 50001 EnMS implementation
- To provide the knowledge, competencies and basic tools required to enable organizations and EE practitioners to carry out meaningful and accurate assessment, measurement, monitoring and reporting of energy performance, including defining appropriate energy performance indicators and robust baselines as critical elements for effective EnMS/ISO 50001 implementation.