

Annex A

Details of Environmental Assessment Practitioner and Declaration of Independence

1.1. Curriculum Vitae of Vicky Stevens - EAP

1.2. Declaration of independence by EAP

Annex A 1.1

Curriculum Vitae of Environmental Assessment Practitioner

Victoria Stevens

[Senior Consultant]

Vicky Stevens is a Senior Environmental Consultant in ERM's Impact with over 10 years of experience in the field of environmental consultancy. Vicky specialises in Environmental Impact Assessments (EIAs) and Environmental Management Plans (EMPs) for developments occurring in the marine and coastal zone. She has both project managed, and reviewed a number of international oil, gas, marine and port Development EIAs and associated EMPs.

Recent key experience in Africa, includes project co-ordination, marine lead and compilation of the EPDA and EIR for an Oil and Gas development in Mozambique for the export of stabilised light oil from an onshore pipeline to a Floating Storage and Offloading Unit, which included 16 specialist studies. She has also recently project managed and compiled two Environmental Impact Statements for block-wide offshore Oil & Gas developments in Tanzania.



Experience: 12 years' experience in EIAs & EMPs for developments occurring in the marine and coastal zone

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Professional Affiliations & Registrations

- South African Council for Natural Scientific Professions (Pr.Sci.Nat. No: 400170/17)
- Member of the IAIA SA association

Fields of Competence

- Project Management and Compilation of EIAs and EMPs for offshore Oil & Gas exploration, development, production and decommissioning projects
- Conducting EIAs and EMPs for offshore 2D and 3D seismic surveys
- Providing engineers with advice and guidance to ensure environmental compliance
- Environmental permitting reviews according to World Bank and IFC requirements
- Scoping studies, including multi-criteria analysis of alternatives
- Coastal Waters Discharge Permits
- Marine specialist and oceanographic studies
- Environmental monitoring of dredging operations
- Liaising with authorities, stakeholders, interested & affected parties and clients

Education

- MSc (Physical Oceanography), University of Cape Town (UCT), South Africa, 2005
- BSc (Hons) (Environmental and Geographical Science), UCT, 2002
- BSc (Zoology and Environmental & Geographical Science), UCT, 2001

Languages

- English, native speaker

Key Industry Sectors

- Offshore Oil & Gas exploration, development, production and decommissioning activities
- Marine Ports and developments
- Dredging Operations
- IFC Permitting reviews

Publications

- Stevens, V, Waldron, H, Brundrit. G and Harcourt-Baldwin, J (2005) The Threat and Cascade Method of Estuarine Health Assessment, South African Marine Science Symposium
- Stevens, V, Waldron, H, Brundrit. G and Harcourt-Baldwin, J (2005) The Threat and Cascade Method of Estuarine Health Assessment - A Logical Sequence from Human Impact to Biological Degradation via System Physics and Chemistry, Land Ocean Interactive Zone Conference

Key Projects

- Environmental Impact Assessment for Offshore Exploration Drilling, Kenya, ENI, 2018 – ongoing
Marine Lead
Contributing to the drafting of a pre-ESIA and ESIA report for an exploration drilling project, offshore Kenya.
- Environmental Impact Assessment for IOX Subsea Cable System to be Landed in East London, South Africa, IOX, 2018 – ongoing
Marine Lead and Project Manager
Responsible for project management and the drafting of a scoping report and the management of specialists for a subsea cable system, offshore South Africa.
- Update of the EIA Report for the proposed 3D Seismic Survey for Petroleum Exploration Licence 39 Exploration Programme., Shell, 2018
Marine Lead
Responsible for the drafting of the update of the Environmental Impact Assessment for a 3D seismic survey in the western portion of the PEL 39 Licence Area
- Environmental Impact Assessment for Marine Shallow Seismic Acquisition in the Marine III licence area in the Republic of Congo, NewAge, 2017 – ongoing
Project Manager and marine lead
Responsible for the Project Management and drafting of an Environmental Impact Assessment for a shallow marine seismic survey project offshore Congo.
- Environmental Impact Assessment for Offshore Exploration Drilling, South Africa, ENI, 2017 – ongoing
Marine Lead and Project Manager
Contributing to the drafting of a scoping and EIA report and the management of specialists for an exploration drilling project, offshore South Africa.
- Environmental Impact Assessment for Offshore Seismic Survey Blocks W, S and EG21, Equatorial Guinea, KOSMOS, 2017 – ongoing
Marine Lead
Contributing to the drafting of an Environmental Impact Assessment for a seismic survey project in offshore Bioko Equatorial Guinea waters.
- Environmental Impact Assessment for Offshore Seismic Survey Block 11, Equatorial Guinea, ExxonMobil, 2017 – ongoing
Project Manager
Responsible for the drafting of an Environmental Impact Assessment for a seismic survey project offshore Bioko Island, Equatorial Guinea.
The EIA compilation included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan.
- Update of Environmental Impact Assessment for Block I to Include Offshore Drilling, Equatorial Guinea, Noble Energy, 2017 – ongoing
Project Manager and Marine Lead
Responsible for the drafting of an Environmental Impact Assessment for additional offshore drilling activities in Block I, Equatorial Guinea. The EIA compilation included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan.
- Environmental and Social Due Diligence for an Offshore Platform, Norway, Confidential Investment Client, 2016
Marine Environment Lead
Project managed and undertook the desk-based component and write-up of an ESDD to international standards of an offshore platform for a client looking to invest in the project.
- Review of the Environmental and Social Impact Assessment of Bua Refinery and Petrochemical Project Ibeno, Nigeria, Confidential Client, 2017
Reviewer
Reviewed the Environmental and Social Impact Assessment (ESIA), on the behalf of the client, with the primary purpose to see that national requirements and lender requirements are both adequately considered.
- Environmental Impact Assessment for Offshore Seismic Survey Block B, Equatorial Guinea, ExxonMobil, 2017
Marine Lead
Contributing to the assessment of seismic noise on marine mammals and turtles for an Environmental Impact Assessment offshore Bioko Island, Equatorial Guinea.

- Summary Paper, IPIECA, 2017
Project Manager
Compilation of a summary document that outlines the areas of existing good practice and management measures that are currently implemented by the oil and gas industry in the marine environment to reduce potential impacts on Biodiversity & Ecosystem Services (BES) from specific aspects and dependencies.

- Dredging Specialist, Mozambique, Client Confidential , 2017
Marine Environmental Advisor
Compiling an Environmental Management Plan for the dredging operations inside Palma Bay, Mozambique.

- Environmental Impact Assessment for Offshore Exploration Drilling, Equatorial Guinea, ExxonMobil, 2016 – 2017
Marine Lead
Contributing to the drafting of an EIA for an offshore exploration drilling project offshore Bioko Island, Equatorial Guinea. The EIA compilation included an evaluation of the relevant legal and regulatory requirements; determination of the environmental (biological and physical) and social conditions; determination of potential impacts; and creation of a comprehensive mitigation and management plan.

- Environmental and Social Impact Assessment onshore and offshore Mozambique, Sasol, 2015 - 2017
Project Co-ordinator and Marine Lead
Project co-ordinator and Marine Lead of Scoping Study, Specialist studies, and the EIA for the proposed offshore Oil & Gas Development

- Environmental Advisor, Cape Town, South Africa, Client Confidential, 2017
Marine Environmental Advisor
Providing advice and assistance to the client in terms of their marine environmental permitting (Coastal Waters Discharge Permits).

- Environmental and Social Impact Assessment, offshore Tanzania, BG, 2015 - 2016
Marine Lead
Marine Lead for the Environmental Impact Statement for two proposed Block-Wide Offshore Drilling projects.

- Marine Environmental Specialist, Multiple Gas to Power Projects, Confidential Client, 2015
Marine Specialist
Coastal effluent and associated marine impacts advisor for multiple gas to power projects.

- Environmental Management Programme for 3D Seismic Data Acquisition on the East Coast of South Africa, Schlumberger, 2015
Environmental Consultant
Composition and authorization of 3D Marine Seismic Environmental Management Programme.

- Environmental Impact Study for 2D Seismic Data Acquisition in the Benguela and Namibe Basins, offshore Angola, GXT Technology, 2015
Project Manager
Project management and composition of 2D Marine Seismic Survey Environmental Impact Study.

- Environmental and Social Impact Assessment Scoping Study, offshore Ghana, Confidential Client, 2015
Project Manager
Project management and composition of Scoping Study for the proposed offshore Oil & Gas development.

- Multi-products Pipeline Screening study and EIA, Ethiopia & Djibouti, BlackRhino, 2015 – ongoing
Marine Lead and Advisor
Marine advisor for the screening study for the Environmental and Social Impact Assessment (ESIA) in Ethiopia and Djibouti for the BlackRhino MOGS (BRM) multi-products fuel pipeline from Djibouti to Awash in Ethiopia.

- Rapid Cumulative Assessment, Tema Port Upgrade and Expansion, Ghana, APMT, 2015
Report Writer
Composition of a Rapid Cumulative Assessment for the upgrade and expansion of Tema Port in Ghana.

- EPA Compliance Review EIA and EMP Review for Tema Port Upgrade and Expansion, Ghana, APMT, 2015
Environmental Advisor
Reviewed the EIA and Environmental Authorisation for the expansion and upgrade of the Tema Port in Ghana. Provided the client with advice regarding the implementation of the mitigation measures stipulated in the relevant reports and IFC compliance.

- Coastal Waters Discharge Permit, Port Elizabeth, South Africa, Shell, 2015
Project Manager
Assisted Shell with their Coastal Water Discharge Permit application for the Dom Pedro Jetty.
- Andy's truck Stop Basic Assessment, Port Elizabeth, South Africa, Shell, 2015
Environmental Consultant
Composition and authorization of a Basic Assessment for Andy's Truck Stop.

Key Projects before joining ERM

- Environmental feasibility and screening study for barging of construction materials, Kenya, Tullow Oil, 2015
Senior Consultant
Assisted with an environmental feasibility and screening study for the location of a port on Lake Turkana.
- EIR and EMP review for Tanker Farm & Berth and fuel transfer pipeline, South Africa, Oil & Gas client, 2015
Environmental Advisor
Reviewed the EIRs and EMPs that were conducted in 2013 for the development of a tanker farm, tanker berth and associated new fuel transfer pipeline in Walvis Bay. Provided engineers with advice regarding design and implementation of the mitigation measures stipulated in the relevant reports.
- Environmental advisor for a power plant, Ghana, Oil & Gas client, 2014 - 2015
Environmental Advisor
Provided engineers with advice regarding design and implementation of the mitigation measures stipulated in the relevant reports.
- Metolong Dam Water Supply Programme, Lesotho UNIK, 2014
Environmental Control Officer
Environmental Control Officer services for Metolong Dam Water Supply Programme in Lesotho.
- Lender's technical adviser for Kuvaninga gas engine power plant, Mozambique, power client, 2014 - 2015
Environmental Auditor
IFC Environmental permitting review of the construction of a power plant in Mozambique.

- Botanical Constraints Study for Proposed Liquefied Natural Gas (LNG) Onshore Terminal, Saldanha, South Africa, PetroSA, 2014
Project Manager
Management of Botanical Constraints Study for Proposed LNG Onshore Terminal, Saldanha, Western Cape.
- Environmental Advisor, WorleyParsons Engineers, 2014 - 2015
Environmental Advisor
Assisting WorleyParsons Engineers with environmental authorisations for multiple projects.
- Amendment to an Existing Environmental Authorisation - Final Amendment Environmental Impact Assessment Report. Proposed Well Stimulation of Three Wells in the F-O Gas Field, Offshore Mossel Bay, SA, PetroSA, 2013 - 2015
Project Management and Senior Marine Environmental Consultant
Project management and compilation of an EIA of the proposed hydraulic fracturing of wells, in the F-O Gas Field, offshore South Africa. Management of all the specialist studies associated with the EIA.
- Environmental Advisor, Koeberg Nuclear Power Station, South Africa, Eskom, 2013 -2014
Marine Environmental Advisor
Providing advice and assistance to the client in terms of their marine environmental permitting (Coastal Waters Discharge Permits and EMPs). Compiling an Environmental Management Plan for the dredging operations inside the intake basin at Koeberg.
Compiling terms of reference for specialist assessments associated with the Coastal Waters Discharge Permits.
- Environmental Statements, Oil & Gas clients, UK, 2012
Marine Environmental Consultant
Writing multiple reports on the results of the 2012 post construction survey of the Noord Stream pipeline, in the Baltic Sea. Compiling noise assessments of the impact of seismic guns on marine mammals and fish in the North Sea.
Managing and writing multiple PON15B applications. Scoping assessment for an Oil & Gas development in Shetland.

- Environmental Statements, Oil & Gas clients, UK, 2012
Project Manager and Marine Environmental Consultant
Project management and compilation of multiple decommissioning environmental statements in the North Sea. Reviewing Oil Pollution Emergency Plans (OPEP).
- Environmental Baseline Report, Oil & Gas client, Qatar, 2012
Project Manager and Marine Environmental Consultant
Project management and writing and editing of an Environmental baseline for an offshore oil development in the Arabian Gulf, Qatar.
- Environmental Statements, Oil & Gas client, UK, DONG, 2012
Marine Environmental Consultant
Editing and assisting in the management and compilation of an Environmental statement for the Glenrothes and Cragganmore condensate developments in the west of Shetland.
- PON15B, Oil & Gas clients, UK, 2011
Marine Environmental Consultant
Writing environmental descriptions and chemical justifications for multiple PON15Bs.
- Environmental Statement for the Sweep (Carrack), UK Shell, 2011
Marine Environmental Consultant
Writing, editing and managing the compilation of an Environmental Statement for the Sweep (Carrack).
- Environmental Statement, Endeavour, 2011
Marine Environmental Consultant
Writing, editing and assisting in the compilation and management of an Environmental Statement for the West Rochelle offshore condensate development.
- Scoping Report, Oil & Gas client, UK, 2011
Marine Environmental Consultant
Editing and assisting in the compilation of a scoping report for decommissioning an offshore Oil & Gas structure.
- Environmental Statements, ConocoPhillips, UK, 2011
Marine Environmental Consultant
Writing, editing and assisting in the compilation of two Environmental Statements for the Katy and Enochdhu offshore Oil & Gas developments.
- Environmental Statement, Oil & Gas client, UK, 2011
Marine Environmental Consultant
Writing, editing and assisting in the compilation of an Environmental Statement for the decommissioning of a gas field. Preparing materials and participating in a comparative assessment workshop.
- Environmental Statements, Nexen Petroleum UK Limited, UK, 2010
Writing, editing and assisting in the compilation of 2 Environmental Statements for the Blackbird and Golden Eagle Developments.
- Environmental Statement, BG Norge, UK, 2010
Writing the accidental release of hydrocarbons and mitigation measures sections of an Environmental Statement for the Knarr gas development. Formatting and reviewing document.
- Environmental monitoring of dredging and dredge spoil disposal in Cape Town harbour. (Transnet, South African Dredging Surveys, Rohde Nielson), SA, Transnet, 2007 - 2010
Marine Environmental Consultant
Implementing and maintaining real time monitoring of the environmental impact of dredging in Cape Town harbour. Implementing and maintaining monitoring of the dumping of the dredge spoil from the Cape Town harbour at the dump site. Analysis and processing of all the data collected. Reporting to the client on the environmental impact of the dredging in Cape Harbour and at the dumpsite. Real time plume tracking of the dredge spoil at the dumpsite.
- Cooling Water Discharge Assessment, Koeberg Nuclear Power Station, Eskom, SA, 2009
Marine Specialist
A desktop review of the environmental impact of the discharge of cooling water from a nuclear power plant off the west coast of South Africa was conducted.
- EIA for offshore oil & gas exploration drilling in Block 16, Angola, Maersk, 2009
Marine Environmental Consultant
Assisted in compiling an EIA of offshore drilling for Oil & Gas in Angola.

- Seismic survey by Sonangol in Block 3/05a, Angola,
Sonangol, 2008
Marine Environmental Consultant
Assisted in the compiling of the environmental impact of
Seismic surveying in Angola.

- A Physical Oceanography Environmental Profile for Beira,
Mozambique, ERM, 2007
Marine Specialist
Preparation of an environmental baseline description for a
proposed transportation of coal in Beira, Mozambique.

Annex A 1.2

Declaration of Independence
by Environmental
Assessment Practitioner

**APPENDIX 1
DECLARATION OF THE EAP**

I, Victoria Stevens, declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing - any decision to be taken with respect to the application by the competent authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)


- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- I have a vested interest in the proposed activity proceeding, such vested interest being:

- NA

- _____

- _____

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Signature of the environmental assessment practitioner:

Name of company:

ERM

Date:

16/08/2018

