

Family Name: Ganira

Surname: Aligula

First name: Aggrey

Date of birth: November 24, 1985

Sex: M

Nationality: KENYAN

Country of Residence: KENYA

Mobile no: +254720924185/752924185

E-mail address: aggreyganira@gmail.com

Postal address: 26596-00100 Nairobi

Registered EIA/EA Associate expert with NEMA (National Environment Management Authority- Reg. Number 2483), Registered Graduate Engineer with engineers Board of Kenya (EBK) registration number B13487 and Registered Member of Environment Institute of Kenya (EIK) member No. 2000363. Certified Energy Manager (CEM)

Statement of Motivation: I am a self-driven professional priding in organized and goal oriented production/delivery.

Career Objective: To utilize offered opportunities to give the best and achieve career growth relevant for development.

PROFESSIONAL EXPERIENCE

March 2018 to Date

**Kenya Electricity Generating Company (KenGen) PLC
Senior Engineer, Quality (SEQ)**

As the **SEQ**, the responsibilities are varied and cross-cuts across all sections and departments of the company. They include:

1. Plan and execute ISO and related audits across the company
2. Carry out gap analysis based on previous audits and feedback.
3. Revise the documents to capture the identified gaps.
4. Roll out new documents for implementation
5. Business Process Improvement (Facilitate Turnaround time projects ISO Clause 6.2)TAT Project savings based on Quality Objective (3 projects)

6. Liaise with other departments including Technical Assurance dealing with energy management to close issues raised in energy audits and other audits.
7. Suggest areas of improvement in processes independently and guide through the process with process owners.

February 2016 – March 2017: Health Safety and Environment (HSE) **Manager** for the construction of a 20'' Multiproduct oil pipeline (449 KM long) from Mombasa to Nairobi, Kenya.

November 2014 – March 2016: Health Safety and Environment (HSE) **Engineer** for the construction of a 20'' Multiproduct oil pipeline (449 KM long) from Mombasa to Nairobi, Kenya.

This is a major project for the East African region in terms of Petroleum transport from the coast to the hinterland. It is the largest of such projects in this age in the region. Previous such length of pipe, 14'', was done in 1975. As the Chief HSE Engineer for the project, the responsibilities were enormous with three key departments and several sub-departments under:

- Health
 - Infirmary services
 - Food safety services
- Safety
 - Machine and equipment safety
 - Personnel safety
- Environment

For this particular project, the new line under construction ran parallel, 7.5 meters, from an operational existing live line. This automatically classifies the whole Right Of Way (ROW) as a brown field with strict safety precautions.

The core responsibilities include:

- Direct Contact for the project on matters HSE.
- Liaise with stakeholders and client on matters HSE
- Supporting advisory role for all the project activities in relation to HSE.
- Reviewing and developing standards, Policies and Procedures for the company's management system
- Incident Investigation Team Leader roles in the various sites of project operations for High Potential Incidents/accidents
- Monthly analysis of the HSE related incidents data and trending for improvement actions
- Developing and review of project specific HSE Plans and Job Safety Assessments. (JSA)
- Developing the company's HSE training material including campaigns and initiative Contents.

Dec 2013- October 2014: Quality, Health, Safety and Environment Assistant Manager at Afex Kenya in the Oil and Gas drilling project for Tullow Oil in Northern Kenya working partly time as a resident QHSE Assistant Manager, Kenya Operations and partly as Field QHSE officer .

The core responsibilities include:

- Acting as the deputy direct point of Contact with the Client QHSE manager on issues relating to reporting of QHSSE statistics in the field.
- Development of emergency response plans including but not limited to; HSE plans, Emergency Response Plan, Spill response plan, Waste management plan and implementation of Client's Oil Spill Response plan
- Taking the lead in Incident investigations using Tap Root incident investigation and root cause analysis system
- Implementation of newly developed company standards and policies
- Auditor on the company Business Management System (BMS)
- Developing and conducting monthly management meetings with the Operations team in the office.
- Revision and updating the Task Risk Assessments
- Conducting induction training to all new hires and visitors based on the Oil and gas requirements.
- Monthly reporting of project KPIs
- Monthly HSE performance Monitoring to define and document the key areas in the scope of operations on the project by monitoring trends and statistics and appointing a scoring system to them that will provide an accurate representation of EHS performance over a monthly and quarterly basis
- Development of Monthly HSE campaigns for review
- Management of the Training Matrix and implementation of the Training and Competence Standard

Feb 2012- Nov 2013: Quality, Health, Safety and Environment HOD at Millennium management Consultants. The position is a consultancy role with various clientele in relation to Environment, Energy, Safety and Quality based on EMS, QMS, OHSAS and EnMS ISO standards. The core responsibilities on behalf of various clients included:

- Consultancy on establishment, documentation, implementation, maintenance and improvement of Systems based on the above ISO standards.
- Consultancy on Incident investigations using Tap Root incident investigation and root cause analysis system
- Consultancy in Development and revision of Task Risk Assessments
- Consultancy in Development of emergency response plans
- Various client HSE audits across the East African region: Kenya, Uganda, Tanzania and Rwanda.
- Various organizational performance audits in the region based on *SCOPE INSIGHT* model.
- Various HSE trainings for various clients in the region.
- Consultancy of Occupational Health and Safety based on OSHA 2007

Feb 2011- Feb 2012: Health, Safety and Environment officer at Quality-Plus International. The position is a consultancy role with various clientele in relation to Environment, and Safety

The core responsibilities on behalf of various clients include:

- Consultancy on environment management based on EMCA 1997
- Consultancy in Health and safety including Task Risk Assessments
- Various organizational performance audits in the region based on *NEMA regulations*.
- Various HSE trainings for various clients in the country.

Jan - Feb 2011: Marketing employee: Kenya Commercial Bank

2009: Intern: Kenya Pipeline Corporation (KPC)

Undergraduate field attachment at KPC, Nairobi during which I got technical and scientific hands on experience in the Environmental, safety quality and liaison department. Also acquired knowledge in data collection, Safety systems including firefighting, data entry and analysis and the steps involved in Environmental monitoring, evaluation and management.

Other Professional Experience:

- Design and construction of waste water treatment plants for various clients including at Sentrim Elementeita.
- Installation of fluoride removal plants at various boreholes for World vision.
- Installation of iron removal systems from various boreholes for world vision.
- Installation of borehole treatment plants for various sites for world vision.
- Design of oily-water separator for PS 9, case study.
- Design and installation of roof rain water harvesting at various sites in Western Kenya.

PROFESSIONAL TRAINING & QUALIFICATIONS

PERIOD	TRAINING
2019	Trained, examined and passed Certified Energy Management (CEM) submitted by American Energy Engineers Association. CEM Registered
2018	Lead Auditor Course, Quality Management System, ISO 9001:2015
2016	Participated in the Hazard Operability Study (HAZOP) and Layers Of Protection Analysis (LOPA) of the new 20'' Petroleum Pipeline.
2014	<p>Completed an online course, International General Certificate, in Occupational Health and Safety (IGCOHS) with Shield's eLearning in UK. Covering:</p> <ul style="list-style-type: none"> • Foundations in health and safety. • Health and safety management systems-Policy • Health and safety management systems-organizing • Health and safety management systems-Planning • Health and safety management systems- measuring, audit and review • Workplace hazards and risk control • Transport hazards and risk control • Musculoskeletal hazards and risk control • Electrical safety • Fire safety • Chemical and biological health hazards and risk controls • Physical and physiological health hazards and risk control <p>I have not yet sat the exam</p>
2014	<p><i>Loading and lashing course by Edmunds</i></p> <p>This course involved establishment of loads to be loaded or unloaded and the safety consideration before loading, lashing, unloading and unlashng.</p>
2014	<p><i>Lorry loader/HIAB loader and crane lift operations planning by Main port training.</i></p> <p>This is a 5 day course on planning of lifts by cranes. Involves:</p> <ul style="list-style-type: none"> • Assessing the load and the prevailing conditions before loading • Establishing the positions of the crane in relation to the load to avoid potential hazards and for safe loading and unloading.
2014	Refrigeration and refrigerants.

	Banned and phased out refrigerants and conversion to friendly refrigerants
2012	Lead auditor, Integrated Occupational health, Safety and Environmental Management System based on ISO 14001:2008 and OHSAS 18001:2007
2013	Lead auditor, Environmental Management System based on ISO 14001:2004
2013	Awareness course, ISO 9001:2008, QMS
2012	Lead auditor course, Energy management system, ISO 50001:2011
2012	Scoring Organizational performance (scope assessment) training
2004	Certificate in computer engineering

ACADEMIC BACKGROUND

2005-2010	BSc: Environmental and Bio-systems Engineering, University of Nairobi (Upper 2 nd class honors).
2000-2003	O- level Education: Kenya Certificate of Secondary Education, Chavakali Boys High School
1994-1999	Primary School Education: Kenya Certificate of Primary Education, Kapsoi

SKILLS AND ABILITIES

- Oil and Gas Safety
- Organizational skills.
- People skills
- Incident Investigation- Tap Root cause analysis
- Risk Assessment development
- HSE management and reporting
- Auditing policies and procedures: Quality, Safety and Environment
- Working at Heights training instructor
- HAZOP and SIL studies and reviews.

FIELDS OF INTEREST

- Oil and Gas Safety Management
- Well Engineering EHS
- Occupational Health and safety management systems Audits and implementation
- Quality management systems implementation and auditing
- Environmental management systems implementation and auditing
- Energy management implementation and maintenance

Referees

1. Dr. Duncan Onyango Mbuge Lecturer, Dept. Environmental and Biosystems Engineering
University of Nairobi P.O. Box 30197-00100
Nairobi – Kenya
Phone: +254 736 429 414
Email: dmbuge@yahoo.com

2. Prof. Elijah K. Biamah
Chairman, Dept. Environmental and Biosystems Engineering
University of Nairobi
P.O. Box 30197-00100
Nairobi – Kenya
Phone: +254 0722723485
Email: ekbiamah@gmail.com

3. Eng. John K. Begisen
Project Manager,
Mombasa-Nairobi Oil Pipeline
0738253196/0722709097