

**TECHNICAL GUIDANCE NOTES AND EHS BEST
PRACTICES FOR THE DOWNSTREAM PETROLEUM
SECTOR**

STAKEHOLDER'S WORKSHOP

Hilton Hotel, Nairobi

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Peter Ng'ang'a Kaigwara

Environment Health and Safety, C&E Manager

Objective Setting and Background

- Share the Technical Guidance Notes and EHS Best Practices
- Receive stakeholder's comments and suggestions
- Way forward.
- Background
 - EHS Performance of the Electric Power Sector – Gibb Africa Ltd
 - EHS Performance of the Downstream Petroleum Sector – Kurrent/Nutek/SGS
- Supported by ERC

EHS Performance of the Downstream Petroleum Sector in Kenya

- Scope of Work
 - Survey occupational safety practices including response capability in selected downstream petroleum facilities.
 - Establish ambient air quality in the vicinity of selected downstream petroleum facilities (refinery, pipeline transport, oil jetties, oil terminals, retail sites, LPG terminals, and designated parking sites) in Kenya.
 - Establish noise levels in the vicinity of selected downstream petroleum facilities in Kenya.
 - Assess the impact of liquid and solid wastes on environmental (especially soil and ground water) in selected sites and recommend remedial measures as appropriate.

EHS Performance of the Downstream Petroleum Sector in Kenya

- .Scope of Work (cont.)
 - Establish procedures, performance indicators and benchmarks for regular monitoring and evaluation of environmental and safety performance in the downstream petroleum sub-sector.
 - Conduct a risk assessment of selected petroleum facilities and operations including fire audits.
 - Examine gaps in the current legislative framework on EHS and propose improvements.
 - Develop EIA and EA guidelines for the petroleum sector.
 - Develop pollution prevention guidance notes for retail outlets, bulk storage terminals and EHS Best Practices.
 - Assess emergency response capability and training at the site

Implementation of Findings

- Stakeholder Workshop to disseminate findings
- Employment of monitoring protocols developed - ERC
- Development of EHS online monitoring tool – ERC and Software developer
- Development of TGN and EHS BPs
 - Multisectoral Team
 - ERC
 - National Environment Management Authority (NEMA)
 - Directorate of Occupational Safety and Health Services (DOSHS)
 - National Transport and Safety Authority (NTSA)
 - Kenya Bureau of Standards (KEBS)
 - Kenya Maritime Authority (KMA)
 - Oil industry (Shell/Vivo)

■ Supported by ERC and WWF

Technical Guidance Notes

- Use of Pollution Prevention Guidelines
- General Guidelines to Prevention of Pollution Guidelines
- Working At Construction and Demolition Sites
- Design and Use of Oil Separators in Surface Drainage Systems
- Operation of Drainage and Sewer and Waste Management
- Storage of Safe Handling of Drums and Cylinders
- Design, Commissioning, Decommissioning and Recommissioning of Petroleum Retail Service Stations
- Operation and Maintenance of Petroleum Retail Service Stations

Technical Guidance Notes

- Pollution Incident Response Planning Guidelines
- Soil, Groundwater and Surface Water Protection and Vapour Emission Control For Petroleum Service Stations
- Vehicle Cleaning Washing And Service
- Design, Commissioning, Decommissioning and Recommissioning of Bulk Petroleum Terminals
- Operations and Maintenance Of Bulk Petroleum Terminals
- Pollution Incident Response Planning Guidelines for Petroleum Terminals
- Soil, Groundwater and Surface Water Protection and Vapour Emissions Control for Petroleum Terminals

EHS Best Practices

- Development & Use of Best Practices
- General Guide to Health, Safety and Environment Best Practices
- Services Station HSE Best Practices
- Safety Management Systems Best Practices
- Emergency Response Plans Best Practices
- Best Practices For Preparation Of Project HSE Plans
- HSE-Audits Best Practices
- Guidance For Use, Design And Modification Of Machinery And Equipment.

EHS Best Practices

- Guidance For Preparation Of Standards Operating Procedures
- Corrective And Preventive Actions Best Practices
- Investigation Reporting ,Investigations And Analysis
- Guidelines For Safe Loading/Unloading Of Petroleum Road Tankers
- HSE Best Practice For Road Transport Of Petroleum Products
- HSE Best Practice For Behaviour Based Safety Guidelines For Safe Driving Of Petroleum Road Tankers

THANK YOU.