

Electrification Africa

PIESA Working Groups Action Plan Progress



Working Group

Electrification

Standardization

Power System Analysis

Loss reduction

Environmental & Safety

Convener

Memory Zvipore

Kelvis Kasonkamona

Custom Ntara

Wiseman Kabwasi

Irene Maina

Electrification



Standardization

Power System Analysis

Non Technical Loss reduction



- **1. Terms of Reference of the Working Group**
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- **A lot of pressure is being exerted on organisations to take environmental and safety considerations on board in all their operations.**
- **Such pressure is emanating from a variety of sources, including regulators (government), customers and consumers, competitors, pressure groups and local communities.**
- **Increased costs, penalties and legal**

- In view of the above, an Environmental Management and Safety Working Group (EM&SWG) was set up under the PIESA and also in line with PIESA's TOR.
- Members of the Working Group are nominated by the respective PIESA members. Safety function was incorporated in 2009.
- The aim is to deal with environmental and safety issues that are common to the PIESA members with the objective of enhancing skills development through sharing information and technologies, as well as keeping abreast of international developments and trends that could influence or benefit the region.

Environmental Management & Safety WG

The EM&SWG objective is to be responsible for the identification of environmental and safety issues of common interest to PIEASA members and contribute to business efficiency, environmental and safety performance by the development of programmes to facilitate policy, training and skills development, research and communication.

The duties of the EM& SWG are the following:

- 1.1 Develop a generic environmental and safety policy;
- 1.2 Develop a training and awareness programme;
- 1.3 Keep abreast of regional and international developments and trends that could influence or benefit the region.
- 1.4 Provide a peer-review service for the PIEASA members;
- 1.5 Liase with other PIEASA Working Groups to ensure environmental and safety management issues are integrated into their processes;

Environmental Management & Safety WG

Cont...

- 1.6 Develop management policies and procedures/standards/guidelines to assist utilities with the environmental and safety management practices.
- 1.7 Ensure that the Environment and Safety page on PIEASA website is relevant and updated.

2 Current Membership of the Working Group.

- Irene W. Maina - KPLC, Kenya - Convenor
- Robam Musonda- ZESCO, Zambia- Deputy Convenor
- Troy Govender - Eskom, South Africa, Secretary
- Jayshree Pershad -AMEU, South Africa,
- Elonga Nkanda SNEL, DRC
- Thandi Sithole -ZESA, Zimbabwe
- Rosalind Murithi – REA, Kenya
- M. T-Moremoholo- LEC, Lesotho

- **Guideline document for the Management of Polychlorinated Biphenyls has been approved by the Board.**
- **Environmental Management Plan guideline document submitted for approval.**
- **Environmental Impact Assessment guidelines submitted for approval to the Board.**

Environmental Management & Safety WG

Action Plan for 2009/10

KEY AREA	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
Integrated environmental management and ISO 14001	Prepare a generic presentation.	Medium	Sept. 2009	ESKOM
	Put together an SO14001 info pack	Low		
EIA/EMP/PCB Guideline Awareness	Put together a presentation using information on the: EIA guideline EMP guideline PCB guideline for general awareness within utilities.	Medium	Sept. 2009	EIA - ZESCO EMP – KPLC PCB - AMEU



Environmental Management & Safety WG

Action Plan for 2009/10

	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
Way leave Guideline	Develop a Wayleave Guideline incl. land encroachment issues	High	Sept. 2009	ZESCO
Reporting and Key Performance Indicators (KPIs)	Evaluate if Eskom and SAPP KPIs suitable for PIEASA. Present draft KPIs 2009 meeting	Medium	Sept. 2009	KPLC



Action Plan for 2009/10

Environmental Management & Safety WG

KEY AREA	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
International treaties, conventions and protocols	A list is available UNEP Website, www.unep.org (link to PIEASA website) Identify electricity-related conventions and present	High	Sept. 2009	ESKOM
Wildlife interactions	Develop a proposal for funding for a study in a PIEASA Member country. Kenya as a case study Upload Endangered Wildlife Trust /SAPP Wildlife Interaction Document on PIEASA web Do a Presentation on above document	Medium	April 2010	ESKOM/KPLC
			30 July 09	ESKOM
			Sept 2009	SNEL



Environmental Management & Safety WG

Action Plan for 2009/10

KEY AREA	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
Water and Waste	guidelines on assessing and managing oil spills.	Medium	Sept. 2009	AMEU
Due Diligence (Risk assessment for disposal of assets)	Re-visit existing ESKOM guideline to assess if it can be used for PIEASA	Low	Sept. 2009	ESKOM

Environmental Management & Safety WG

Action Plan for 2009/10

KEY AREA	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
Land: Soil Erosion	Assessment of existing documents and recommendation on way forward . Members to forward any information they know of.	Low	April 2010	SNEL/ZESA
Safety	Focus on contact incidents through a generic public safety awareness campaign	High	Sept. 2009	ESKOM

Environmental Management & Safety WG

Action Plan for 2009/10

KEY AREA	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
PCB Management (Waste)	Develop a PCB inventory	medium	Sept. 2009	All
Electrification	Liaise with Electrification WG to ensure integration of environmental issues in future electrification standards, e.g. tower design to mitigate wildlife interactions Review existing standards and identify those requiring environmental input.	Medium	April 2010	Convener
			April 2010	KPLC



PIESA WORKING GROUPS

Environmental Management & Safety WG

Action Plan for 2009/10

	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
Sustainable Production/ Cleaner Production	Present summary of draft cleaner production guideline	High	Sept 2009	ZESCO
Climate Change	Undertake Climate change training session with PIEASA	Medium	Sept 2009	ESKOM
	Develop a Climate change Guideline for Dx	Medium	April 2010	ESKOM



Action Plan for 2009/10

Environmental Management & Safety WG

KEY AREA	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
Skills Development	Utilities to compile list of specific environmental and safety professionals and how is environment/safety issues managed	Medium	Sept. 2009	ALL
	- Inter-utility Secondments Utilities to spend one to two weeks together e.g. LEC and ZESCO with Eskom as a start	High	Sept. 2009	ESKOM
	2 day TAP Environmental Engineering course for Engineers	High	Sept 2009	ESKOM
	"The 11 th Hour" DVD screening for PIEASA Plenary members	High	Sept. 2009	Secretariat



Action Plan for 2009/10

Environmental Management & Safety WG

KEY AREA	TYPE OF TRAINING REQUIREMENTS /ACTIVITY	PRIORITY	BY WHEN	RESPONSIBLE
Environmental and Safety Scanning	Share appropriate environmental and safety information to all in attendance	Ongoing		ALL

Environmental Management & Safety WG

- Training Plans
- 2 day training Environmental Engineering course for Engineers to be carried out by Trans Africa Project. (TAP).
- Inter-utility Secondments, Utilities to spend one to two weeks together e.g. LEC and ZESCO with Eskom as a start to have a hands on experience on how the environmental challenges are dealt with

The background of the slide is a faded, light blue image of a wind farm. Numerous wind turbines are visible, stretching across the horizon. The text 'Thanks For your Attention' is centered in a large, bold, dark blue font.

**Thanks For your
Attention**