

IAEA RADIATION PROTECTION & MONITORING IN URANIUM PRODUCTION CYCLE

Kenya Country Presentation,
A.O. Koteng, Radiophysicist,
Radiation Protection Board

The Radiation Protection Board

- Regulatory Body
- Has 24 Technical Staff
- HQS & 4 Regional Offices
- Authorization, Inspection & Enforcement
- Border Surveillance (Consumer Products)
- Illicit Trafficking (Nuclear & Radioactive Material)
- Physical Security of Sources
- Lead Agency in EIA Review on Ionizing Radiation

The Radiation Protection Board

- Waste Management (Solid Waste)
- Construction of Central Radioactive Waste Processing Facility (CRWPF) ~ \$70,000m
(Including Orphan sources, Illicit Nuclear and Radioactive Materials)
- Portal Monitors – Containerized Cargo
- Personal Dosimetry
- Environmental Mapping

Mining Activities

- Cement Manufacturing (NORMS - U, Th)
- Fluorspar Mining (NORMS)
- Geothermal Power Production (NORMS – Rn)
- Discoveries – Mineral Sands & Coal (Ur, Th, Po)
 awaiting Exploitation
- Prospecting – Oil, Uranium & other mineral resources is ongoing

Conclusions

- Radiation Protection Board to Spearhead Project RAF-3.007 Activities in Kenya, in Conjunction with Dept. of Mines & Geology, Ministry of Environment & Mineral Resources.
- Source for the Acquisition of Equipment for Prospecting and Regulatory Research