

## **ANNEXTURE A – SCOPE AND RPS' MINIMUM QUALIFICATION REQUIREMENTS**

### **SCOPE**

The successful RPS will be responsible for the following:

In terms of the Authorisation Condition on Hazard Assessments

- To oversee assessments and design surveys and assessment methodologies to identify and quantify all radiation hazards pertaining to all operational conditions to the workforce, visitors and members of the public.
- To assess the radiation hazards associated with any modification, change in a control program, or procedural change to the workforce, visitors, and members of the public.

In Terms of the Authorisation Condition on Radiation Protection Programs for the Workforce

The establishment of the program for the protection of the workforce and visitors against radiation hazards and the administrative system associated therewith including:-

- Health Register
- Dose Register
- Area Classification
- Contamination Control
- Respiratory Protection Program
- Radiation and Contamination Surveillance Program
- Dosimetry Program
- ALARA Program with ALARA Objectives
- System for controlling doses on a day-to-day basis
- Training Program
- Review of all radiation management system's related procedures

In Terms of the Authorisation Condition on Radiation Protection Programs for Members of the Public

- The establishment of an effluent control program.
- The establishment of discharge monitoring and environmental surveillance programs.

#### In Terms of the Authorisation Condition for Radioactive Waste Management

- The establishment of a radioactive waste categorisation system.
- The justification of current and planned disposal options, the establishment of suitable storage facilities and the establishment of decontamination facilities by way of hazard assessment.
- The establishment of a system of record keeping.

#### In Terms of the Authorisation Condition on Occurrences

- The identification mechanism and categorisation system of incidents for reporting.
- The mechanism to ensure close out of occurrences.
- The Identification of specific incidents requiring special emergency considerations and the establishment of the associated emergency plans.

#### In terms of the Authorisation Condition for Quality Management

- The provision of technical input during the establishment and implementation of the quality management program.
- The conducting of technical audits.

#### Other Duties and Responsibilities

- Advice and liaison with management on all matters relating to radiation protection.
- Liaison with other qualified experts and the Appointed Medical Practitioner on matters pertaining to radiation protection.
- In the design of surveys and assessment methodologies and in the establishment of the various programs and procedures, to determine the level of the radiation protection function that must be responsible for particular aspects thereof. These may be changed as training and experience is gained within the function. These may also be scheduled, for instance, that a particular

responsibility of the Radiation Protection Specialist will be taken over by a formally accredited Radiation Protection Officer after a certain period.

### **Projects underway**

- National Dose Register
- Public and Workers Safety Assessment
- New NNR regulations
- NNR audit and project review
- Annual Internal Audit
- Management Review (2 days per annum)

### **RPS' MINIMUM QUALIFICATION REQUIREMENTS**

According to LG 1027 the minimum qualification requirements are a company with an RPS who has:

- An Honors Degree in Physics or similar Sciences qualification
- A qualified as RPS by NNR (NORM)
- A registered as Professional Scientist and
- A qualified ISO 9001 Auditor

### **RPS VISIT**

The successful RPS must be available to visit Foskor Mining Division two days a month.