



Radiation Protection Authority of Zimbabwe

"...Protecting people and the environment against radiation effects..."

TRAINING WORKSHOP ON NATURALLY OCCURRING RADIOACTIVE MATERIAL (NORM)

Course Outline:

The training course is designed to ensure participants have an understanding of Naturally Occurring Radioactive Materials (NORM) including its origins, radiation and its associated potential health hazards, NORM industries, characterisation and identification of NORM sites, dispersion of radioactive particles in industrial processes, physical and environmental hazards they present and control of radiation exposures from NORM. This provides workplaces with confidence to manage radiation safety in environments where NORM is potentially an issue. Compliance to regulatory requirements shall be prioritised.

Target Audience:

People who deal with NORM or work in areas where NORM may be encountered; SHE (Q) Practitioners, Radiation Safety Officers/Managers/Supervisors, Engineers and Operators in NORM Industries.

Workshop Duration: Two (2) Days; 5 - 6 December 2019

Venue: Mutare

Course Content	
NORM Industries Targeted for the Program	<ul style="list-style-type: none"> • Coal industry (mining, combustion and electricity generation), • Oil and gas industry (production), • Metal mining, concentration and smelting, • Mineral sands (rare earth minerals, titanium and zirconium etc), • Fertiliser (phosphate) industry, Building industry, • Recycling Sites and scrap processors, • Water and waste treatment facilities, and • Any other activities that gives rise to elevated levels of NORM.
Introduction	<ul style="list-style-type: none"> • Basis of radioactivity and the associated health hazards • Origin, elements and sources of NORM • Measures to control radiation exposure and limits risk
NORM Characterisation	<ul style="list-style-type: none"> • NORM Industries and NORM Facilities • Surveying, NORM Sampling and Analysis • NORM exposure & NORM Management
Regulatory Program for NORM	<ul style="list-style-type: none"> • Legislation, Regulations and Requirements • Development of a NORM Management Program • Transportation and storage of NORM

Training Workshop Fees: For booking contact us on the below numbers, training fee covers for conferencing and materials. Participants are required to cover for their accommodation expenses. Certificates shall be presented at the end of the training program.

Booking: To book this event complete the participation form or apply online on our website. For more information contact us at; Phone: (+263242) 335627, 335683, 304982, 304978, 308006, 335792, +263 9 60831/2, Website: www.rpaz.co.zw

Reference Materials: Radiation Protection Act [Chapter 15:15] of 2004, Radiation Protection (Naturally Occurring Radioactive Material) Regulations, SI-99 of 2013, IAEA TECDOC IAEA-TECDOC-1484, 2004



Radiation Protection Authority of Zimbabwe

"...Protecting people and the environment against radiation effects..."

**TRAINING WORKSHOP ON NATURALLY OCCURRING
RADIOACTIVE MATERIAL (NORM)**

5 to 6 December 2019

Participation Form

Name and Surname of Participant:	
Job Title:	
Company / Organisation:	
Email:	
Tel/ Cell:	
Type of Industry	
Has NORM Sampling and Assessment been carried out at your facility? Yes <input type="checkbox"/> No <input type="checkbox"/>	
Applicant Qualifications;	
Description of responsibilities of the applicant;	
Phone: (+263242) 335627, 335683, 304982, 304978, 308006, 335792, +263 9 60831/2 Website: www.rpaz.co.zw	