

RSH 100 Radiation Safety and Health

INTRODUCTION

For many years, Nuclear Malaysia has successfully conducted the Radiation Protection Course in our own premise in Bangi. These courses are of the high standard and being recognised by Atomic Energy Licensing Board (AELB). Realising the increasing demand and the fact that interested participants come from different places all over the country, a special course covers whole spectrum syllabus taught in Radiation Protection Course has been designed and brought closer to your door, just to serve you better.

This course is designed to generate greater awareness on the importance of radiation safety and to promote safety culture through good radiation protection practice at the workplace. In this regard, the safety of personnel, member of the public and the environment can be raised to the standard of the best, and ultimately to increase your productivity.

This training program will contribute greatly to the safety culture at workplace leading to the reliable safety performance.

COURSE OBJECTIVES

- To provide better understanding of the philosophy and principles of radiation safety and protection
- Creating awareness on biological effects and the risks of ionising radiation
- Learning the right procedures when dealing with ionising radiation
- Acquiring the techniques and proper procedures in controlling the radiation exposure to the radiation workers

PROGRAMME OUTLINE

This 3-day course is designed to equip participants with the necessary knowledge on ionising radiation emphasising on the aspects of radiation protection and safety procedures in line with the requirement of the Atomic Energy Licensing Act 1984 (Act 304). It covers a wide spectrum of radiation safety aspects at workplace in accordance to the safety standards and procedures.

CONTENTS

- Basic information on ionising radiation
- Principles of radiation protection
- Biological effects on ionising radiation
- Radiological monitoring equipments and methods
- Safety procedures for working with radioactive sources and radioactive materials
- Safe handling of radioactive source
- Transportation of radioactive material
- Management of radioactive waste
- Regulation of radiation protection & legislative requirements
- Security of Radioactive Material
- Plan and procedures for radiological emergencies
- Radiation protection organisation and programme

METHODOLOGY

- Participative lecture
- Demonstration
- Discussion
- Case study

WHO SHOULD ATTEND

Safety officer, RPO, RPS, radiation worker, radiologist, radiographer, x-ray operator, supplier, supervisor, lecturer, technologist, technician, laboratory assistant and those who are involved and interested in the application of ionising radiation in various sectors-industry, engineering, petroleum and gas, medical, manufacturing, agriculture, etc.