



# RSH 302

## Post-Training of Radiation Protection Officer

### INTRODUCTION

The responsibilities of a Radiation Protection Officer (RPO) who deal with radiation safety issues on a daily basis vary enormously from very slight as in the case of a business with one or two sealed sources, to an irradiation facilities that use million curies of sealed sources for sterilisation purpose. The range of devices may include X-ray devices, industrial gauges or equipment, sealed and unsealed radiation sources, radiation equipment in the laboratory, Naturally Occurring Radioactive Material and storage of radioactive materials. The range of responsibilities may include all activities for the compliance of AELB's Act 304 such as implementation of radiation safety management, risk assessment, transport and storage of radioactive material writing radiation safety management plans, risk assessment, transport and storage of radioactive materials, radiation awareness and supervision of staff purchase selection and calibration of instrumentation and equipment.

### COURSE OBJECTIVES

- To understanding license requirement and expectation on Atomic Energy Licensing Act (Act 304) and regulations.
- To develop focus RPO skill specific to industry, research and radio pharmaceutical laboratory environments.
- To assess risk of radiation & biological effects and work effectively with employees to eliminate those risks.
- To equip the RPO with necessary knowledge on radiological emergency preparedness and response

### CEP POINT

Those who attended this course will obtain CEP points from these organizations:

AELB - 18 CEP Points

### COURSE CONTENTS

- Radiation Protection Programme
- Radiation Protection Act, Regulation and Guidelines
- Management Systems in Radiation Protection, Audits, License Renewal, Procedure, Training and Technical resources for the RPO
- Inventory control of radioactive material
- Security and Protection of radioactive materials
- Record keeping and retention for compliance
- Demonstration of eSPP online system
- Survey documentation, contamination control, good practices and employee PPE
- Response to personnel and area contamination incident
- Requirement of radiological emergency plan and radioactive source's security plan
- Preparing for license inspection, notice of violation and penalties
- Tour of irradiation facility
- Demonstration of radiation detection instruments

### WHO SHOULD ATTEND

RPO, RPS and people who deal with Radiation Safety issues, emergency services, regulators, universities, hospital, mines, paper mills, research institutions, radiation instrument detection manufacturing, factories, oil & gas, construction, Non Destructive Testing and defense.

### METHODOLOGY

- Participative Lecture
- Demonstration
- Discussion