Industrial radiation safety officer (3 days)

**Outcome**
To be recognised as a Radiation Safety Officer across Australia

**Audience**
People who deal with radiation safety issues on a irregular to regular basis, and may deal predominantly with radiation safety issues regarding fixed or portable gauges.

The range of devices may include x-ray devices, portable moisture density gauges, radiation in the laboratory, fixed industrial gauges, Naturally Occurring Radioactive Material, storage of radioactive materials.

The range of responsibilities may include writing radiation safety management plans, risk assessment, transport and storage of radioactive materials, radiation safety training and supervision of staff, purchase and selection of instrumentation and equipment.

The industries from which people attend are varied from mines, paper mills, factories, construction, oil & petroleum, agriculture, emergency services, Non Destructive Testing, regulators and defence.

Assumed basic knowledge of maths and science.

**Course Content**

**General Radiation Protection Sessions**
The Scientific Background
Units used in Radiation Protection
Radiation Protection Principles & external radiation hazards
Workshop: Time, distance & shielding calculations
Practical: Shielding
Internal Radiation Protection
Biological effects of radiation
Background Radiation

**Specialised Radiation Protection Sessions**
Industrial uses of ionising radiation
Industrial Accidents
Radiation Safety Officer & Radiation Worker Responsibilities
Safe Transport of Radioactive Materials
Safe use of x-ray devices
Planning for emergencies

**Instrumentation Sessions**
Radiation detection and measurement
Practical: Dose Rate Surveys

**Tour of an aspect of ANSTO facilities relevant to Radiation Protection Systems**

**Duration**
3 days, 8:30am – 5:00pm

**Cost**
$1500 + GST

**For more information or a quote please contact Radiation Safety**

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