



Enclosed X-ray Equipment for Special Applications Course Syllabus

Course Overview

This course is aimed at personnel who are supervising the use of Enclosed X-ray Equipment for Special Applications (Diamond Sorting & Ore Sorting), on behalf of their organisation.

This course provides course participants with the skill and knowledge requirements for the radiation management of Enclosed X-ray Equipment including aspects such as: auditing and compliance; radiation monitoring; legislative compliance; and incident response.

Course Details

Location: Perth, WA
Duration: 1 day
Times: 08:00 to 17:00 (approx.)
Cost: \$850 pp (min 3 people) ex GST.



Course Variations

We can tailor the presentation of this course to meet your company's specific needs. If you would like us to deliver this course at your premises, or present on a specific date of your choosing, please contact us so we can customise to your specifications.



Course Structure

- An Introduction to Radiation
- Radiation in Perspective
- Radiation Dose, Measurement & Protection Principles
- Regulatory Considerations
- X-ray Analysis Introduction & Equipment
- Enclosed X-ray Equipment (Special Applications)
- Safety Aspects of XRA
- Basic Calculations (Exposure, Time, Distance & Inverse Square Law)
- Procedures: Radiation Management Systems; Security; Emergency Response
- Assessment

About this course

It is a requirement under the Radiation Safety Act 1975 that the use of Special Purpose X-ray Analysis (XRA) Equipment (Diamond Sorting) is performed under the supervision of a competent and licensed person. This course is aligned with the NHMRC (ARPANSA) RHS22 Statement on Enclosed X-ray Equipment for Special Applications (1987).

A moderate level of mathematical understanding is required to successfully complete this course.

Assessment

There are multiple practical exercises and activities throughout the course and a theoretical understanding is assessed against Radiological Council requirements.

Certification

A Statement of Attainment is issued upon successful completion of this course.

This course is recognised as a pre-requisite for licensing in all Australian States & Territories.

Why choose Radiation Services WA?

We have proven know-how and reliability, with a reputation for prompt and professional service throughout Australia - our consultants have extensive experience having worked in regulatory and industrial radiation management capacities.

Our personnel have been commended for their ability to talk about radiation safety in simple terms and to put the risks into real-world perspective.

We are here to help and no matter what you require in the field of radiation management, we're able to deliver a timely and customised solution to suit your needs.

