Radiation Protection Adviser (RPA) Services for Sealed Radioactive Sources

Sealed radioactive sources are widely used in a range of industrial, research, and commercial applications. These are comprised of radioactive material in a sealed form and are used where reliable, continuous measurements are required.

Sealed sources are commonly used to support monitoring, analysis, and inspection activities across a variety of sectors. Typical uses include:

- Manufacturing – process control, level, density and thickness gauging
- Research and education – laboratory analysis and training
- Industrial radiography – non-destructive testing

Sealed radioactive sources produce ionising radiation and require appropriate control measures to ensure the safety of operators and other workers who may be in the vicinity.

Employers' Responsibilities

The use of ionising radiation places employers under the remit of the UK Ionising Radiations Regulations 2017 (IRR17), enforced by the UK Health & Safety Executive (HSE). These regulations apply to any employer carrying out work involving ionising radiation. In addition, sealed radioactive sources may require a permit under The Environmental Permitting England and Wales (Amendment) Regulations 2016 (as amended 2019) (EPR16).

Employers are required to fulfil their legal obligations under IRR17 and must appoint and consult a qualified Radiation Protection Adviser (RPA) who can support with regulatory compliance.

Amentum can support you in meeting the regulatory obligations of IRR17 and EPR16 and implementing effective radiation protection arrangements.

Our Services

Amentum has a Corporate RPA Body accredited by the HSE and able to offer expert radiation protection advice to UK organisations. Amentum will help you fulfil your legal responsibility to provide a safe workplace for your employees.

We have a range of services available, these include:

- Annual RPA appointment, with advice available on a call-off basis
- Preparation of local rules and radiation risk assessments for the use of sealed radioactive sources
- Annual radiation safety audit, including a report and recommendations for improvements
- Advice on radiation monitoring instruments, their use and establishing a suitable radiation monitoring programme
- Delivery of training courses including Radiation Awareness and Radiation Protection Supervisor training
- Leak testing of sealed radioactive sources
- Advice on source storage, security and accountancy
- Development of contingency plans and support for rehearsal exercises
- Advice on personal dosimetry (alongside our Approved Dosimetry Service)

Our Experience

At Amentum, we have a team of specialists with extensive experience delivering RPA services to a wide variety of clients across all industry sectors.

We have proven experience supporting clients in establishing and maintaining safe and compliant radiation protection practices. Services we have provided to clients include:

- Support for HSE Consent Safety Assessment applications
- Provision of document templates and advice on establishing and 0maintaining a robust radiation management system
- Critical Examination of systems that use ionising radiation
- Bespoke training courses for the use of High Activity Sealed Sources (HASS)

We are committed to delivering high-quality support to every client. All our RPA service agreements are tailored to meet the specific business needs of our clients. This enables us to consistently deliver reliable, bespoke solutions to our customers.

Source: www.iaea.org

Source: www.endress.com

Source: www.filtec.com

Contact

To discuss your RPA requirements in confidence or for more information on the applicability to your business or premises, please contact:

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The Amentum UK RPA team is only accredited to provide advice under UK Regulations.