

RADIOLOGICAL CONSULTANCY

The Ionising Radiation Regulations (IRR99) applies to work and practices that involve artificial radioactive sources, man-made radioactive substances, processing of Naturally Occurring Radioactive Material (NORM) and the operation of X-rays or equipment that emit ionising radiations.

SAFETY | QUALITY | INTEGRITY

THE IONISING RADIATION REGULATIONS (IRR99) APPLIES TO WORK AND PRACTICES THAT INVOLVE ARTIFICIAL RADIOACTIVE SOURCES, MAN-MADE RADIOACTIVE SUBSTANCES, PROCESSING OF NATURALLY OCCURRING RADIOACTIVE MATERIAL (NORM) AND THE OPERATION OF X-RAYS OR EQUIPMENT THAT EMIT IONISING RADIATIONS.

IRR99 stipulate that any employer to comply with these regulations should consult with a Radiation Protection Adviser as part of the employer's management of radiological protection.

As well as fulfilling the legal requirements stated in the above regulations under Schedule 5, Radwise certified Radiation Protection Advisers can provide support in all areas of radiation protection from: providing authoritative advice to comply with current legislation; producing / amending policies and procedures, auditing of arrangements for compliance to recommending / producing improvement plans or initiatives.

Radwise are also able to offer Health Physicist support either working under our Radwise RPA directions or those specified by the Client's own RPA(s) or RPA Body.

Radwise can supply Consultancy Personnel that fully integrate into your team, provide a fully flexible satellite team or individual support to manage ad hoc or routine projects.

OUR CONSULTANTS HAVE A WEALTH OF KNOWLEDGE INCLUDING BUT NOT LIMITED TO THE FOLLOWING AREAS:

- Providing radiological protection advice in relation to commissioning, operations, maintenance, decontamination, baseline surveys, land remediation and waste management
- Production of sampling programmes for land remediation of contaminated sites
- Undertaking Radon surveys and interpretation of the results
- Provision of shielding calculations
- Production of Radiological Management plans and risk assessments
- Calculating dose estimates
- Analysis of dose assessments and producing accompanying ALARP advice
- Producing inventory assessments of active waste
- Approval of Radiography plans, procedures and contingency plans
- Management of environmental surveillance programmes and active laboratory facilities
- Consignment of radioactive waste in accordance with RAM Transport arrangements
- Site Characterisation and Waste Management
- Provision of dosimetry advice
- Provision of advice with regards to undertaking work in nuclear and non-nuclear radiological environments
- Preparation of safety case submissions and strategy documents
- Generation of BPM, BPEO and ALARP assessments
- Use, calibration and maintenance of gamma specs.
- ISOCS modelling
- Producing nuclear and non-nuclear radiological monitoring programmes
- Provision of advice and guidance on the selection of radiological protection instrumentation
- Radiological data analysis (statistics, trends, etc.)



RADWISE LTD
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radwise.co.uk

RADIOLOGICAL PROTECTION PERSONNEL

Radwise employ specialist personnel in the field of radiological protection. We currently supply the following roles to support the UK nuclear industry; Radiation Protection Advisers, Radioactive Waste Advisers and Health Physicists.

SAFETY | QUALITY | INTEGRITY

RADWISE EMPLOY SPECIALIST PERSONNEL IN THE FIELD OF RADIOLOGICAL PROTECTION. WE CURRENTLY SUPPLY THE FOLLOWING ROLES TO SUPPORT THE UK NUCLEAR INDUSTRY; RADIATION PROTECTION ADVISERS, RADIOACTIVE WASTE ADVISERS AND HEALTH PHYSICISTS.

RADIOLOGICAL SUPERVISION

Radwise are able to provide Radiological Supervision personnel who can operate as part of the client's health physics supervisory team or as part of the Radwise supervisory team. Our Supervisors are able to be appointed as Radiation Protection Supervisors following site specific training.

RADIOLOGICAL MONITORING

Radwise are able to provide Radiological monitoring personnel who can operate as part of the client's health physics team or as part of the Radwise radiological team.

OUR CERTIFIED RPAS AND RWAS ARE ABLE TO FULFIL THE ROLES SPECIFIED UNDER THE IRRS AND EPR10/RSA93 AND THESE PERSONNEL AND OUR HEALTH PHYSICISTS HAVE HAD PREVIOUS EXPERIENCE IN THE FOLLOWING:

- Provide radiation protection advice and guidance
- Assessment and appointment of Radiation Protection Supervisors as required
- Manage, organise and assist in the operation of district survey / environmental management programmes
- Compilation and submittal of legislative returns and reports
- Assist in Radiation Protection Training
- Produce technical reports and written advice on radiological safety
- Produce radiological risk assessments in accordance with Regulation 7 of the IRRs
- Provide advice and guidance on the designation of radiation and contamination controlled areas and ensure the enforcement of relevant controls and legislative obligations
- Ensure adequate records of radiological conditions are maintained in line with business requirements and legislative obligations
- Produce Local Rules to meet the requirements of the IRRs
- Produce contingency plans to meet the requirements of the IRRs
- Prepare and deliver ALARP briefs
- Review dose assessments
- Provide advice and guidance on dosimetry requirements
- Conduct investigations into radiological events/near misses
- Provide advice and guidance on source management and control
- Provide advice and guidance on the use of radiological protection instrumentation
- Provide advice and guidance on the use and type of PPE/RPE
- Champion radiological standards and best practice



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RADIOLOGICAL WASTE MANAGEMENT

Any Company that has a permit issued to them under the Environmental Permitting Regulations 2010, or an authorisation that was issued under the Radioactive Substances Act 1993 with regard to the accumulation or disposal of radioactive waste requires a Radioactive Waste Adviser to be appointed.

SAFETY | QUALITY | INTEGRITY

ANY COMPANY THAT HAS A PERMIT ISSUED TO THEM UNDER THE ENVIRONMENTAL PERMITTING REGULATIONS 2010, OR AN AUTHORISATION THAT WAS ISSUED UNDER THE RADIOACTIVE SUBSTANCES ACT 1993 WITH REGARD TO THE ACCUMULATION OR DISPOSAL OF RADIOACTIVE WASTE REQUIRES A RADIOACTIVE WASTE ADVISER TO BE APPOINTED.

IRR99 stipulate that any employer to comply with these regulations should consult with a Radiation Protection Adviser as part of the employer's management of radiological protection.

A Radioactive Waste Adviser is an individual who has demonstrated their competence in the Environment Agency's Radioactive Waste Adviser syllabus and is deemed a specialist in radioactive waste disposal and environmental radiation protection.

Radwise certified Radioactive Waste Advisers, Radiation Protection Advisers and Waste Engineers are able to advise and assist in all aspects of radiological waste management. This includes: monitoring, sampling, activity assessments, packaging, and transport arrangements. All of these activities are implemented in accordance with current legislation and best practice. Our team have the ability to carry out BAT/BPM assessments and provide advice and assistance on projects from conception to ensure that all waste is minimised, identified, and segregated to correctly storing and/or packaging the waste for transportation from site.

Radwise are also able to offer Waste Coordinators or Waste Technicians support working under our Radwise Radioactive Waste Adviser's directions or those specified by the Client's own RWA or RWA Body.

Radwise can supply Consultancy Personnel that fully integrate into your team, provide a fully flexible satellite team or individual support to manage ad hoc or routine projects.

OUR CONSULTANTS HAVE EXPERIENCE IN THE FOLLOWING ASPECTS OF RADIOACTIVE WASTE MANAGEMENT:

- Radioactive waste management for operational, decommissioning, and project activities
- Carrying out comprehensive inventories and activity assessments
- Devising monitoring protocols and clearance monitoring procedures
- Production of risk assessments
- Production of BPM/BAT assessments
- Processing, package and disposal of radiological wastes within the Client's regulatory stipulations
- Management and implementation of routine processing and disposal of LLW
- Management of legacy waste projects
- EPR10 interpretation and Out of Scope determination
- Characterisation and disposal of orphan wastes containing other hazardous contaminants
- Compilation and submittal of legislative returns and reports
- Safety case support
- ILW retrieval, inventory compilation and packaging



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