



Radiation Services

Real Time Instruments (RTI) are specialists in providing a comprehensive radiation protection service to holders of ionising radiation sources.

Servicing all areas of industry, RTI aim to provide our customers with a quality, cost effective service that enables them to meet their radiation safety obligations. We are Australia's only company that can now offer a combined Instrumentation and Industrial Radiation Service and expanded our services to include source disposal and acquisitions, supply and servicing of equipment, wipe testing analysis and guidance.



MINING | AGRICULTURE | CHEMICALS | BUILDING MATERIALS | FOOD | BIOFUELS | CEMENT



Services include

- Radiation Guidance
- Disposal and Relocation
- Source Acquisition
- Site Radiation Surveys
- Compliance Auditing
- Wipe Testing and Analysis
- Supply and Calibrate Survey Meters and Dosimeter Badges
- Transport of Dangerous Goods
- Supply of Hazard Signage and Source Labels

▲ Radiation Guidance

It's our job to know the legislation and what it means for holders of sealed sources used for industrial purposes. This allows us to assist in the following areas with Qld Health applications:

- licence to possess sealed radioactive substances
- approval of a Radiation Safety and Protection plan for the specific practice in which the sealed sources are to be "used".
- approval to acquire sealed sources and sealed source apparatus
- approval to relocate sealed sources and sealed source apparatus
- approval of radiation apparatus

▲ Disposal and Relocation

There are normally a few reasons why companies need to dispose of sealed sources:

- The source is past its Recommended Working Life (RWL) as set by the manufacturer.
- The source is no longer required, ie: plant decommissioning
- The source has decayed to a state where it can no longer be used efficiently and requires replacement

Whatever the reason, we are able to handle the entire process from start to finish.

▲ Source Acquisition

RTI are able to supply sealed radiation and reference sources to measure, analyse and detect. Our overseas manufacturers are able to provide high quality, technically precise radiation sources, including:

- Americium-241
- Cesium-137 (Caesium-137)
- Californium-252
- Cobalt-60

▲ Site Radiation Surveys

RTI have the equipment and personnel to attend to monthly, 3 monthly or yearly surveys depending on your survey requirements. Our detailed report will record all dose rates and ensure all gauges meet regulations.

▲ Compliance Auditing

RTI has licensed compliance auditors and our services are sought after for thorough third party audits. This ensures compliance is maintained in the following areas;

- Radiation Safety and Protection Plan (RSPP) documents are available and up to date.
- Gauge compliance and appropriate certification.
- Survey meter functional and calibration checks.

▲ Wipe Testing and Analysis

Wipe testing is an integral part of standard radiation monitoring protocols. We are able to analyse wipes in house and issue a wipe test certificate with a quick turnaround for all wipes analysed.

▲ Supply and Calibrate Survey Meters and Dosimeter Badges

RTI can cater for a large diversity of radiation dose rate meters and personal electronic dosimeters. We will monitor your meters, schedule yearly calibrations for your survey meters and 3 monthly calibrations for your personal dosimeters.

▲ Transport of Dangerous Goods

RTI are trained and competent in transporting of class 7 dangerous goods. We will ensure you have the proper documentation, storage, and packaging regardless of shipment origin or end destination.

▲ Supply of Hazard Signage and Source Labels

RTI can replace your aged and degraded signs, source blocks and source labels. We will look after any general radiation signage for the plant and store and any custom signs for any other radiation requirements.

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