

Radiation, Radiofrequency & Laser Programs

What is referred to here are three types of electromagnetic energies one may find in the workplace: ionizing radiation; radiofrequencies (RF); and strong optical radiation: "coherent" light is a Laser. Each one has different sets of regulations, registrations and precautions that may apply to your business.



Ionizing radiation is produced by "sources" emitting Alpha, Beta, Gamma, or Neutrons, or from X-ray tubes. These are usually regulated by state or federal programs, such as the Nuclear Regulatory Commission (NRC). In some cases a "License" is needed to possess these, with even more restrictions if these are transported or sold in commerce.

RF is usually found in industrial microwaves and induction heaters, or RF devices used to "heat weld" plastic. Depending on the device, there is often the need to ensure proper employee safety procedures in place, as well as an evaluation of the RF field strength.

A Laser is very strong coherent light that has regulations and guidelines applicable if you are an end-user, or sell a product that includes an integrated laser. There are requirements to properly shield, label, and register many of these items.



The Isosceles Group has the professional staff and equipment available to provide specialized services of this nature. We can evaluate your radiation safety procedures, written policies, and employee training; or conduct a complete audit of the radiation program, from security to shipping of radioactive material. We can even evaluate potential employee exposures to differing radiation, if so warranted.

If needed, we can provide services related to your License reduction or termination, site surveys, and decontamination related to site closure.

Please contact us at: Info@theISOgroup.com for more information.