

# RADIATION SOURCE SHEET

Dear Customer:

Thank you for selecting Radiation Detection Company as your dosimetry provider! In order to provide the best service we need some information on the radiation sources and radiation work at your location. The information is used to verify you are receiving the best dosimeter for your monitoring needs and helps us make sure the proper correction factors are applied in the analysis of your dosimeters. A comparison of the analysis data with the client radiation source information is an important quality assurance step in our program.

Account Number (or name if new account): \_\_\_\_\_

Group this page applies to: \_\_\_\_\_

*If your account service is divided into multiple groups please use copies of this form to report the information for each group.*

**Please check all that apply, or enter more specific information at the bottom.**

## X-Ray:

Diagnostic X-ray, human or veterinary. *Indicate kVp range:* \_\_\_\_\_

Dental X-ray machines

Industrial X-ray, field radiography or NDT. *Typical kVp range:* \_\_\_\_\_

Enclosed cabinet X-ray machines. *Typical kVp range:* \_\_\_\_\_

Security or package inspection X-ray machines. *Typical kVp range:* \_\_\_\_\_

Machines generating low energy X-rays (low energy fluorescence, X-ray diffraction, SEM).

## Density gauges:

Soil moisture - density gauges containing both  $^{241}\text{Am}:\text{Be}$  and  $^{137}\text{Cs}$ . *Specify other:* \_\_\_\_\_

Soil moisture (only) gauges ( $^{241}\text{Am}:\text{Be}$  neutron source). *Specify other:* \_\_\_\_\_

Soil density (only) gauges ( $^{137}\text{Cs}$  gamma source). *Specify other:* \_\_\_\_\_

## Accelerator Photons:

Particle generator, ion implanter, cyclotron. *Monitoring photons only:* \_\_\_\_\_ *neutrons:* \_\_\_\_\_

Medical accelerator linatron. *Monitoring photons only:* \_\_\_\_\_ *neutrons:* \_\_\_\_\_

## Gamma:

Gamma emitting sources ( $^{137}\text{Cs}$ ,  $^{226}\text{Ra}$ ,  $^{60}\text{Co}$ ,  $^{192}\text{Ir}$  etc.). *List:* \_\_\_\_\_

Nuclear medicine. *List isotopes:* \_\_\_\_\_

## Beta:

High energy (>1MeV) beta particle source ( $^{90}\text{Sr}$ ,  $^{32}\text{P}$ , etc.). *List:* \_\_\_\_\_

Low energy (<1MeV, >200keV) beta particle source ( $^{204}\text{Tl}$ , etc.). *List:* \_\_\_\_\_

*Note that very low energy beta particle sources ( $^3\text{H}$ ,  $^{14}\text{C}$ , etc.) cannot be detected.*

## Neutron:

Neutron radiation from isotope sources ( $^{252}\text{Cf}$ ,  $^{239}\text{Pu}:\text{Be}$ , etc.). *List and indicate if sources are moderated or bare:* \_\_\_\_\_

Neutron radiation from accelerators. *Provide any neutron energy information:* \_\_\_\_\_

Other sources (*please specify*): \_\_\_\_\_

Please provide any description of your activities you think might be useful: \_\_\_\_\_

Please provide the name and phone number of a contact person for us to call to report a high exposure or to get more information on your radiation work: \_\_\_\_\_

Your printed name: \_\_\_\_\_ Date: \_\_\_\_\_ Phone: \_\_\_\_\_



**radiation detection company** . . . *The People Behind Your Badge*

8095 Camino Arroyo | Gilroy, California 95020 | 408.842.2700 | fax 408.847.2988 | www.radetco.com