

RADIATION SOURCE SHEET

Dear Customer:

Thank you for selecting Stanford Dosimetry 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}Cs . *Specify other:* _____

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

Soil density (only) gauges (^{137}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}Cs , ^{226}Ra , ^{60}Co , ^{192}Ir etc.). *List:* _____

Nuclear medicine. *List isotopes:* _____

Beta:

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

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

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

Neutron:

Neutron radiation from isotope sources (^{252}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: _____

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