



To: Matt McKinley

4/18/07

From: Craig Caris

Subject: Amendment to RLL-1 source holder registry

On several occasions we have discussed the wipe testing requirements for the RLL-1 source holder. I have reviewed 10CFR and the wording in 10CFR31.5 appears to be causing the confusion as to what needs wipe tested. The wording in all other sections is very clear that the sealed source activity is the determining factor not the source holder configuration. The following is quoted from 10CFR:

31.5 Certain detecting, measuring, gauging, or controlling devices and certain devices for producing light or an ionizing atmosphere.

31.5 (c)(2)(ii) Devices containing only tritium or not more than 100 microcuries of other beta or gamma emitting material or 10 microcuries of alpha emitting material and devices held in storage in the original shipping container prior to initial installation need not be tested for any purpose.

35.67 Requirements for possession of sealed sources and brachytherapy sources.

35.67(f) A licensee need not perform a leak test on the following sources:

35.67(f)(3) Sources containing 3.7MBq (100uCi) or less of beta or gamma emitting material or 0.37MBq (10 uCi) or less of alpha emitting material.

39.35 Leak testing of sealed sources

39.35(e) Exemptions from testing requirements. The following sealed sources are exempt from the periodic leak test requirements set out in paragraphs (a) through (d) of this section:

39.35(e)(4) Sources of beta or gamma emitting radioactive material with an activity of 3.7 MBq [100microcuies] or less;

The above references clearly stipulate that the word "devices" in 31.5 (c)(2)(ii) is referring to the sealed source capsule, as is clearly stated in 35.67 for medical sealed sources and in 39.35 for well logging sealed sources.

This confusion can be put to rest with a simple change to the RLL-1 Registry. On the cover page we need to clearly state the leak test frequency. The current wording and reference to the "limitations" section is confusing to customers and other regulatory officials.

Substitute wording:

Source holders containing source capsules not exceeding 90uCi each DO NOT REQUIRE WIPE TESTING

Source holders containing a single source exceeding 100uCi REQUIRE WIPE TESTING

See caution label on device.

I have included a check for \$500.00 for the Registry amendment.

Respectfully;

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MEASUREMENTS DIVISION

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