

From: Modes, Kathy
Sent: Tuesday, February 15, 2011 8:16 AM
To: wmlairmore@optonline.net
Subject: RE: License Items 6 - 8 - please QA

The NRC and/or Agreement States review the design specifications for each sealed source to make sure the construction is adequate for safe use. When this review is completed, it is assigned a Sealed Source and Device registration number. This registration lists the correct model numbers. We have moved from paper copies to an electronic database. Unfortunately, there may be some registrations that were not converted. This may be the case for the 106 you mentioned. I will be in the office on Thursday and will dig out the old paper copies and take a look at them. I will call you Thursday.

Also since the GAO sting operation, we are much more vigilant in only allowing registered sources on licenses and making sure correct model numbers are listed. I tried looking through the Sealed Source and Device Registration database for the model numbers you first gave me and didn't have much luck. An Agreement State representative provided you with registration numbers. I used the model numbers listed in these registrations to revise License items 6 through 9. The only one I couldn't add was the 106. I will look through the hard copies on Thursday and call you back. If you don't hear from me - please feel free to call me.

Once we can determine the correct model numbers for the 106, I can add it to the license and issue you your renewal.

Kathy Modes

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From: wmlairmore@optonline.net [wmlairmore@optonline.net]
Sent: Monday, February 14, 2011 7:21 PM
To: Modes, Kathy
Subject: Re: License Items 6 - 8 - please QA

Kathy:

From our previous conversations, I thought the license had to include the "Sealed Source Device Registration Certificate Numbers". If not, is there additional modification I need to make?

Thanks for your time...

Mike Lairmore

----- Original Message -----

From: "Modes, Kathy"
Date: Monday, February 14, 2011 11:17 am
Subject: License Items 6 - 8 - please QA
To: "Modes, Kathy" , "wmlairmore@optonline.net"

- > How does this look?
- >
- >
- > 6. Byproduct, source, and/or special nuclear material
- >
- >
- > 7. Chemical and/or physical form
- >
- >
- > 8. Maximum amount that licensee may possess at any one time
- > under this license
- >
- > A. Any byproduct material with atomic numbers 3 through 83, and
- > 88 and 95
- >
- > A. Analytical Samples
- >
- > A. 10 microcuries per radionuclide and 1,000 microcuries total
- >
- > B. Cobalt 57
- >
- > B. Sealed Sources (Eckert & Ziegler Model Nos. RV-XXX, EG-XXX
- > series LV, EG-XXX series LVM; International Isotopes Idaho Model
- > Nos. BM06E and BM06S)
- >
- >
- > B. 15 millicuries per source and 30 millicuries total
- >
- > C. Germanium 68
- >
- > C. Sealed Sources (International Isotopes Idaho Model Nos.
- > BM06E and BM06S)
- >
- >
- > C. 1.2 millicuries per source and 2.4 millicuries total
- >
- > D. Barium 133
- >
- > D. Sealed Sources (Eckert & Ziegler Model Nos. RV-XXX, EG-XXX
- > series LV, EG-XXX series LVM; E.I. Du Pont De Nemours & Co.
- > Model Nos. NES-354, NES-356, NES-358; International Isotopes
- > Idaho Model Nos. BM06E and BM06S)
- >
- >
- >
- >
- > D. 15 millicuries per source and 30 millicuries total
- >
- >
- > E. Cesium 137
- >
- > E. Sealed Sources (Eckert & Ziegler Model Nos. RV-XXX, EG-XXX
- > series LV, EG-XXX series LVM; E.I. Du Pont De Nemours & Co.

- > Model Nos. NES-354, NES-356, NES-358; International Isotopes
- > Idaho Model Nos. BM06E and BM06S)
- >
- >
- > E. 15 millicuries per source and 30 millicuries total
- >
- > F. Technetium 99m
- >
- > F. Any
- >
- > F. 500 millicuries
- >
- >
- >
- > 9. Authorized use:
- >
- > A. Taking of, and analysis of, samples as a service for other
- > persons as defined in 10 CFR 20.1003.
- >
- > B. through E. Calibration and testing of analytical
- > instruments as a service for other persons as defined in 10 CFR
- > 20.1003.
- > F. Calibration of analytical instruments and shielding
- > evaluations as a service for other persons as defined in 10 CFR
- > 20.1003.
- >