

From: [Peters, David](#)
To: [Ullrich, Betsy](#)
Subject: [External_Sender] FW: question about your amendment letter
Date: Monday, August 29, 2022 9:43:30 AM

Betsy,

Ok, thank you for addressing these discrepancies. It looks like I meant to skip Line 6.F in my amendment request which made items 6, 7 and 8 off a letter. That was my mistake. Also, since you noted that the fee category 3.P. has been removed, I will also delete item 9 under corrections in our original letter.

I've also reviewed License Condition 12 as you suggested. Everything in Condition 12 looks correct with one exception, subitem 6.M should be added to Condition 12.D., which I did include in my original amendment request as "correction 10".

Also, in reviewing License Condition 10, we can make a correction there in two ways, whichever is preferable. Material 6.J and 6.N are our liquid scintillation standards which we use at the Paul E. Garber facility, Bldg. 10 and the Steven F. Udvar-Hazy Center. We can either correct 10.A., by adding subitem 6.N., or delete 6.J. and let condition 10.C. serve that purpose. Or keep 6.J. and 6.N. listed in both conditions 10.A and 10.C. Whatever you think is preferable.

I know there is a clock running on completion of licensing actions, so let me know the best way to address the changes and corrections. I can either send another letter or an email outlining the corrections.

Thank you for your help with this.

Regards,
Dave

From: Peters, David
Sent: Wednesday, August 24, 2022 11:57 AM
To: Ullrich, Betsy <Elizabeth.Ullrich@nrc.gov>
Subject: RE: question about your amendment letter

Betsy,
Ok, let me look at that again.

Thanks,
Dave

From: Ullrich, Betsy <Elizabeth.Ullrich@nrc.gov>
Sent: Wednesday, August 24, 2022 10:25 AM
To: Peters, David <PETERSD@si.edu>
Subject: question about your amendment letter

External Email - Exercise Caution

This has to do with the radium limits:

There is a discrepancy between the item numbers you requested, and the listing on the license. See the Snips below.

- The 50 microcuries for storage and display only is item I on Amendment 34 but you listed this as 6.M;
- the 3.8 mCi is 6M on amendment 34 but you listed it as 6J;
- and you requested that 6M be added to License condition 12D... not sure if you meant the Item I or the Item M material for that.

Might be good to double check that all the items in condition 12 are referring to correct lines for Items 6/7/8/9

Betsy

7. Increase 6.J. Radium sealed sources from 3.8 millicuries to 50 millicuries

8. Increase 6.M Radium any form from 50 microcuries to 70 microcuries.

In addition, we request the following modifications to the license:

9. Change 12.B to delete authorized user, Liza Hamill.

10. Change 12.D. to include material listed in 6.M.

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	9. Authorized use
H. Promethium-147	H. Luminous Paint	H. 800 millicuries total	H. Component part of replica of Lunar Rover for storage and display only.
I. Radium-226	I. Any	I. 50 microcuries total	I. Storage and display only.
J. Chlorine-36	J. Sealed Sources (Eckert & Ziegler, Model GF Series or SET-AM1CL6-LSC-20FSUGAB)	J. 0.05 microcuries per source and 0.05 microcuries total	J. For research and development as defined in 10 CFR 30.4, including calibration and checking of the licensee's instruments.
K. Iron-55	K. Sealed Sources (AEA Technology, Model IEC.A1; Isotope Products Laboratories, Model XFB Series or NER-462)	K. 700 millicuries total and no single source to exceed the maximum activity specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission or an Agreement State.	K. For research and development as defined in 10 CFR 30.4, including calibration and checking of the licensee's instruments.
L. Cesium-137	L. Solid	L. 0.04 microcuries per source and 15 microcuries total	L. Component part of replica of CP-1 Fermi Pile for storage and display only.
M. Radium-226	M. Sealed Sources	M. 3.8 millicuries total	M. Storage and display only.
N. Americium-241	N. Sealed Sources (Eckert & Ziegler, Model GF-series or SET-AM1CL6-LSC-20FSUGAB)	N. 0.05 microcuries total	N. For research and development as defined in 10 CFR 30.4, including calibration and checking of the licensee's instruments.
O. Uranium- depleted in Uranium-235	O. Metal	O. 11 kilograms total	O. Component part of thermoelectric generator for storage and display only.