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November 9th, 2015

Ms. Patricia Pelke
Materials Licensing Branch
U.S. Nuclear Regulatory Commission, Region III
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

RE: Materials License 21-11315-02
Request to amend license to remove Zinc-65 from the license; request to increase allowed limit for Carbon-14; and request to add Lines CC. and DD. to permit modified limits for Iodine-123

Dear Ms. Pelke,

MPI Research is requesting an amendment to Materials License 21-11315-02 as described below. Our request addresses the removal of Zn-65 from our broad scope license as well as our desire to increase our current possession limits for C-14 as well as I-123.

MPI Research wishes to remove the permitted use of Zn-65 from our license altogether. We perceived a future need for it when it we originally requested it several years ago, but we have never used Zn-65 in any amount and therefore would like to completely remove Line V as shown in Attachment 1.

The removal of Zn-65 from our license will also allow us to request an increase in our Carbon-14 possession limit as shown in Attachment 1. To that end, we request to increase our activity limit for Carbon-14 from 750 to 890 millicuries. Our use of C-14 in sponsored research studies has grown steadily over the past several years, and a higher C-14 possession limit would give us the capacity for an increased number of studies and allow us greater inventory flexibility. The requested amount of 890 millicuries was calculated in such a way as to ensure that our R value (as defined in 10 CFR 30.35 (a)(1)) divided by 10^4 would still be less than 1, allowing us to remain at our current \$225,000 level of financial assurance per the criteria set forth in 10 CFR 30.35 (d).

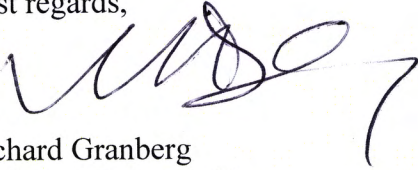
Lastly, we request to modify our current possession limit for Iodine-123. We are permitted 50 millicuries per the stipulations of Section 6 Line A. We wish to increase this amount to permit a limit of 1 Curie for volatile I-123 and a limit of 2 Curies for non-volatile I-123. Increasing our allowed limits on Iodine-123 would allow us to support future medical research studies in which

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the possession of greater than 50 millicuries of Iodine-123 at any one time may be necessary.
We request to add Lines CC and DD as shown in Attachment 1.

Please contact me at 269-668-3336 extension 2050 if there are any questions, or if further information is required.

Best regards,

A handwritten signature in black ink, appearing to read 'R. Granberg', with a long horizontal stroke extending to the right.

Richard Granberg
Radiation Safety Officer
MPI Research, Inc.

Attachment 1

License sections 6 – 8 removed Zn-65 from line V.

6.	7.	8.
V. Zn-65	Any	12 millicuries

License section 8 modified the maximum possession amount for C-14.

6.	7.	8.
N. C-14	Any	890 millicuries

License sections 6 – 8 added lines CC and DD to permit increased maximum possession amounts for both volatile and non-volatile I-123.

6.	7.	8.
CC. I-123	Non-volatile	2 Curies
DD. I-123	Volatile	1 Curie

License section 9 modified to:

Authorized use:

A. – U., W. – X.

Y. – Z.

AA. and BB.

CC. and DD.

For laboratory research as defined in 10CFR30.4, including animal studies and in-vitro studies.

For instrument calibration.

For PET scanner calibration.

For laboratory research as defined in 10CFR30.4, including animal studies and in-vitro studies.

MPI
RESEARCH

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