



Date: August 26, 2013

To: U.S. NRC Material License, Region III  
2443 Warrenville Rd., Suite 210  
Lisle, IL 60532-4352

Reference: License #13-03341-03, Amendment 6

Attn: Mr. William Reihold  
Subject: Renewal of License

Dear Mr. Reihold: / *FRANK TRAN*

Enclosed are the documents for the renewal of the above referenced license.

I have also provided an outline to go along with Appendix C, Items 5 through 11 of NRC Form 313 which I am hoping will assist you in reviewing our request.

Please note as I informed you today Items M through Q on our current license will be picked up by Chase Environmental Group Inc. this Thursday August 29, 2013. I received that telephone call just before you called earlier today. The radium needle will also be disposed of at that time.

Thank you very much for your time and effort on this project. If you need any other information, please do not hesitate to call me.

Very truly yours,

A handwritten signature in black ink, appearing to read "Donald L. DeMoss", is written over a horizontal line.

Donald L. DeMoss  
President

**Nuclear Measurements Corp.**

2460 N. Arlington Ave. - P.O. Box 18248  
Indianapolis, Indiana 46218-0248  
Email: [demosd@aol.com](mailto:demosd@aol.com)

Phone (317) 546-2415  
FAX (317) 543-4420  
Cell (317) 590-3824

NRC FORM 374

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U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 6

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee

In accordance with the application dated  
**January 30, 2012.**

- 1. Nuclear Measurements Corporation
- 2. 2460 North Arlington Avenue  
Indianapolis, IN 46218

3. License number 13-03341-03 is amended in its entirety to read as follows:

4. Expiration date **August 31, 2013**

5. Docket No. 030-28752  
Reference No.

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. Cesium-137	A. Sealed sources (Isotope Products, Inc.)	A. 500 microcuries
B. Carbon-14	B. Sealed sources	B. 200 microcuries
C. Chlorine-36	C. Sealed sources	C. 150 microcuries
D. Krypton-85	D. Sealed sources	D. 500 microcuries
E. Strontium-90	E. Sealed sources	E. 10 microcuries
F. Hydrogen-3	F. Sealed sources	F. 1000 microcuries
G. Barium-133	G. Sealed sources	G. 300 microcuries
H. Cobalt-60	H. Sealed sources	H. 150 microcuries
I. Xenon-133	I. Sealed sources	I. 500 microcuries
J. Uranium-235	J. Sealed sources	J. 0.01 microcurie
K. Americium-241	K. Sealed sources	K. 10 microcuries
L. Lead-210	L. Sealed source	L. 0.0043 microcuries
M. Thorium-230	M. Sealed sources	M. 0.119 microcuries
N. Uranium-238	N. Sealed sources	N. 0.010 microcuries
O. Plutonium-239	O. Sealed sources	O. 0.452 microcuries
P. Lead-210	P. Liquid sources	P. 49.835 microcuries
Q. Lead-210	Q. Sealed sources	Q. 0.5577 microcuries

NRC FORM 313 (03-2013) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 05/31/2015



APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH: OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20555-0001

IF YOU ARE LOCATED IN: ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO: MATERIALS LICENSING BRANCH U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60632-4352

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item) A. NEW LICENSE B. AMENDMENT TO LICENSE NUMBER C. RENEWAL OF LICENSE NUMBER 13-03341-03

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code) NUCLEAR MEASUREMENTS CORPORATION 2460 N. ARLINGTON AVE. INDIANAPOLIS, IN 42618

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED NUCLEAR MEASUREMENTS CORPORATION 2460 N. ARLINGTON AVE. INDIANAPOLIS, IN 42618

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION DONALD L. DEMOSS BUSINESS TELEPHONE NUMBER (317) 546-2415 BUSINESS CELLULAR TELEPHONE NUMBER (317) 590-3824 BUSINESS EMAIL ADDRESS dcmossd@aol.com

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE

5. RADIOACTIVE MATERIAL: a. Element and mass number, b. chemical and/or physical form, and c. maximum amount which will be processed at any one time. 8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS. 10. RADIATION SAFETY PROGRAM.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED. 7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE. 9. FACILITIES AND EQUIPMENT. 11. WASTE MANAGEMENT.

12. LICENSE FEES (Fees required only for new applications, with few exceptions\*) (See 10 CFR 170 and Section 170.31) FEE CATEGORY AMOUNT ENCLOSED \$

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL, EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE DONALD L. DEMOSS / PRESIDENT

SIGNATURE DATE Donald L. Demoss 08/23/13

FOR NRC USE ONLY Table with columns: TYPE OF FEE, FEE LOC, FEE CATEGORY, AMOUNT RECEIVED, CHECK NUMBER, COMMENTS, APPROVED BY, DATE