

January 7, 2016

Mr. Norman P. Lanier
Corporate Radiation Safety Officer
Tracerco, a business unit of
Johnson Matthey, Inc.
31 Albe Drive, Suite 5
Newark, DE 19702-1360

SUBJECT: TRACERCO, A BUSINESS UNIT OF JOHNSON MATTHEY, INC., REQUEST
FOR ADDITIONAL INFORMATION CONCERNING APPLICATION FOR A NEW
LICENSE

Dear Mr. Lanier:

This letter refers to your application dated December 17, 2015, and received on December 21, 2015 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML15356A171), for a new U.S. Nuclear Regulatory Commission (NRC) Exempt-Distribution Materials License. In reviewing your application, we have determined additional information is required to complete our review. In order to continue our review, please address the issues listed below. This information is required by Title 10 of the *Code of Federal Regulations*, (10 CFR) 32.11, "Exempt Concentrations and Items; requirements for license."

1. Operation and material description:
 - A. Describe the product or material into which the byproduct material will be introduced;
 - B. Provide the method of introduction for all isotopes listed in Attachment No. 6 of your application;
 - C. Provide the initial concentration of the byproduct material in the product or material;
 - D. Provide the control methods to assure that no more than the specified concentration is introduced into the product or material;
 - E. Provide the estimated time interval between introduction and transfer of the product or material; and
 - F. Provide the estimated concentration of the radioisotopes in the product or material at the time of transfer.
2. In your response, provide reasonable assurance that the concentrations of byproduct material at the time of transfer will not exceed the concentrations in 10 CFR 30.70 of this chapter, that reconcentration of the byproduct material in concentrations exceeding those in 10 CFR 30.70 is not likely, that use of lower concentrations is not feasible, and that the

product or material is not likely to be incorporated in any food, beverage, cosmetic, drug or other commodity or product designed for ingestion or inhalation by, or application to, a human being.

3. In Attachment No. 6 of your application, you listed Cesium 137 and Lead 210, which are used as tracer study materials. These two isotopes are not included in 10 CFR 30.70. We will not be able to authorize them for use under 10 CFR 32.11, "Introduction of byproduct material in exempt concentrations into products or materials, and transfer of ownership or possession." However, if you need to use these materials to conduct the tracer studies, please submit a request for including these isotopes in your distribution license. We will then evaluate your request to determine whether we can grant your request.
4. In Item No. 5 of your application, it stated that some radioactive materials listed in Attachment No. 6 are used for "open system" studies, which may result in an environmental release, and such release will not exceed the limits specified in Appendix B, Table 2 of 10 CFR 20. Please provide a list of radioactive materials to be used in the tracer study that separates the isotopes used for the open system and the close system.
5. Please confirm the following distribution locations:
 - A. 31 Albe Drive, Newark Newark, Delaware;
 - B. 3320 East 84th Place, Suite A/B, Merrillville, Indiana;
 - C. 4106 New West Drive, Pasadena, Texas;
 - D. 4516 Baldwin Boulevard, Corpus Christi, Texas;
 - E. 8181 Innovation Part Drive, Baton Rouge, Louisiana;
 - F. 2698 South Redwood Road, Sal Lake City, Utah;
 - G. 7625 E. Rosecrans Avenue, Unit 28, Paramount, California; and
 - H. 5750 Imhoff Drive, Suite F, Concord, California.

We will continue our review upon receipt of this information. If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Please be aware that upon your request, proprietary information submitted to the NRC may be withheld from public disclosure. To do this, you must follow the procedures in 10 CFR 2.390(b) including requesting withholding at the time the information is submitted and complying with the document marking and affidavit requirements set forth in 10 CFR 2.390 (b)(1).

In accordance with 10 CFR 2.390 "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC's Public Document Room or from the Publicly Available Records component of NRC's ADAMS. ADAMS is accessible from the NRC web site at <http://www.nrc.gov/reading-rm/adams.html>.

N. Lanier

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If you have any questions, you may contact me at (301) 415-7640, or by electronic mail at Shirley.Xu@nrc.gov.

Sincerely,

/RA/

Shirley S. Xu
Materials Safety Licensing Branch
Division of Material Safety, State, Tribal
and Rulemaking Program
Office of Nuclear Material Safety
and Safeguards

Docket No. 030-38897
Mail Control No. 589675

N. Lanier

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Docket No. 030-38897
Mail Control No. 589675

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OFC	MSTR/MSLB	MSTR/MSLB	MSTR/MSLB	MSTR/MSLB
NAME	SXu	DMiller	HGonzalez	SXu
DATE	1/6/16	1/6/16	1/6/16	1/7/16

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