



June 25, 2010

Docket No. 030-38301
Control No. 572966

License No. 07-31410-01

John Lanz
Facility Manager
TMSi Logistics
500 Ships Landing Way
New Castle, DE 19720

SUBJECT: TMSI LOGISTICS, REQUEST FOR ADDITIONAL INFORMATION
CONCERNING APPLICATION FOR NEW LICENSE, CONTROL NO. 572966

Dear Mr. Lanz:

This is in reference to your letter dated June 8, 2010 applying for a Nuclear Regulatory Commission license. In order to continue our review, we need the following additional information:

1. You have requested a new license for possession and distribution of electron capture detector (ECD) devices. The ECD devices that are distributed to persons who possess them pursuant to a specific license may be possessed and distributed under a single license for "manufacturing and distribution". However, you will have to request a separate license for distribution of ECD devices to persons who will possess them under a general license. The application that you submitted does not provide sufficient information for either type of license. Please use the following guidance documents for the appropriate license:

NUREG-1556, "Consolidated Guidance About Materials Licenses", Volume 12, "Program-Specific Guidance About Possession License for Manufacturing and Distribution" (NUREG—1556, Vol. 12)
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v12/> ; and

NUREG-1556, "Consolidated Guidance About Materials Licenses", Volume 16, "Program-Specific Guidance About Licenses Authorizing Distribution to General Licensees" (NUREG-1556, Vol. 16)
<http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v16/>

2. In accordance with Section 8.5.1 of NUREG-1556, Vol. 12, provide the total quantity nickel-63 as sealed sources that you want to be authorized to possess at your facility.
3. In accordance with Section 8.6 of NUREG-1556, Vol. 12, list the specific purposes for each radionuclide you will use. IF you are not actually manufacturing the ECD devices, please describe whether or not the devices you intend to possess will be received, possessed and distributed without opening packaged items, or if you intend to perform

any type of activities with the sources. Also, describe any type of services that you intend to provide with/for the sources, such as leak-testing, transfer to/from customers; service and repair of the ECD devices; return from customers for disposal, etc. some of these activities may require you also to be authorized to possess small amounts of unsealed nickel-63; if so, please revise your response to Section 8.5.1.

4. In accordance with Section 8.7 of NUREG-1556, Vol. 12, provide sufficient information about the training and experience for each person, and the radiation safety officer, to be named on the license to use, or supervise the use of, licensed materials. The training and experience should include the date(s) of training, the topics covered during the training, and these topics should include, at a minimum: basic radiation protection principles, the characteristics of ionizing radiation, units of radiation dose, radiation detection instrumentation, biological hazards of radiation, and the dates/locations of actual experience with the types and quantities of radioactive materials to be used under this license.
5. In accordance with Section 8.8 of NUREG-1556, Vol. 12, submit a description of the "Ionizing Radiation for Receiving" training, and any other training provided to persons who will handle or work in the vicinity of licensed materials. The description should include the topics to be covered, the work groups who will receive training, how training will be assessed, the qualifications of the instructors providing the training, and the method and frequency of training.
6. Describe the facilities and equipment to be made available at the location where radioactive materials will be used or possessed in accordance with the requirement in Section 8.9 of NUREG-1556, Vol. 12.
7. Describe your audit program, in accordance with Section 8.10.1 of NUREG-1556, Vol. 12, and considering the scope of your actual program. In addition, please address the section "Response from Applicant" for Sections 8.10.2, 8.10.3, 8.10.4, 8.10.6, 8.10.7, and 8.10.8.
8. Please describe your plans for disposal of any radioactive waste that may be generated at your facility, such as ECD devices damaged on-site (water leaks, fire, etc), leak test wipes/swabs and any other radioactive waste that may occur.
9. Please respond to this letter only for your license application for possession and distribution to persons who are specifically-licensed to possess the ECDs. Please submit a new, separate application using NUREG-1556, Volume 16 for distribution to persons who will possess the ECD devices pursuant to the general license in 10 CFR 31.5.
10. Please contact me by telephone or email to set up a date for a pre-licensing visit. This is a requirement for all new license applicants, and the license will not be issued until this visit is completed, and all information is received and approved. I can be reached at (610) 337-5040 or Elizabeth.ullrich@nrc.gov.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 6:30 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 572966. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5040.

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.

Sincerely,

Original signed by Elizabeth Ullrich

Betsy Ullrich
Senior Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

cc:
Michele Johnson, Radiation Safety Officer

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