



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

September 13, 2011

Docket No. 03035758
Control No. 575308

License No. 31-30650-01

Gerald W. Bennett, Ph.D.
Radiation Safety Officer
Thyro-Cat, LLP
227 Union Avenue
Holbrook, NY 11741

SUBJECT: THYRO-CAT, LLP, REQUEST FOR ADDITIONAL INFORMATION
CONCERNING APPLICATION FOR RENEWAL OF LICENSE, CONTROL NO.
575308

Dear Dr. Bennett:

This is in reference to your application, dated June 2, 2011, requesting to renew Nuclear Regulatory Commission License No. 31-30650-01. In order to continue our review, we need the following additional information:

1. In accordance with Item 8.5 and Appendix H of NUREG-1556, Vol. 7, for the use of licensed materials in animals, please submit:
 - a. a copy of the instructions provided to animal caretakers for handling of animals, animal waste carcasses, and cleaning and decontamination of animal cages;
 - b. your release criteria for the cats treated with radioiodine. NRC has approved different release criteria for different groups of cats based on behavioral groupings and confidence in owner compliance with instructions. Each release must be accompanied with written instructions addressing, at a minimum, (1) waste handling, (2) contamination, and (3) appropriate human interaction/isolation instructions.

You must assure that the dose to individual members of the public dose not exceed 100 millirem, which is the annual public dose limit in 10 CFR 20.1301. While you may establish other release criteria, the following are examples of the appropriate degree of cat/human interaction/isolation for the three most frequently proposed release criteria:

- (1) 0.25 mR/hr at 1 foot restricted very close contact: isolation usually not required
- (2) 0.5 mR/hr at 1 foot limited human interaction; isolation for 1-2 days; later restricted very close contact

- (3) 0.5 mR/hr at 1 meter licensee (vet) pre-administration acceptance screening; subsequent post-administration licensee evaluations; isolation; very limited human interaction for several weeks;
- c. and, regardless of the release criteria used, please confirm that cats are held for minimum of 96 hours prior to their release.

Appendix H of NUREG-1556, Volume 7 addresses considerations for laboratory animal uses and may be helpful to you in developing a response. The NUREG-1556 Volumes are included on the NRC's website at www.nrc.gov; select **Electronic Reading Room; Document Collections; NUREG-series pub**; then **Publications prepared by NRC staff (NUREG-nnnn)**; then **NUREG -1556**.

- 2. The application requests that 1110 East Main Street, Stamford, CT be listed on the license as a storage and use location. The current license lists 1029 E. Main Street, Stamford, Connecticut. These locations may be the same location. Either confirm that these are the same location and provide the correct address, or provide close out information for the location no longer in use.
- 3. Your current license authorizes direct sewer releases of flushable kitty litter as described in letters dated April 19, 2007 and May 10, 2007. Please confirm that Thyro-Cat wishes to retain this alternate waste disposal option.

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Med, Ind, & Academic Uses**; then **Licensee Toolkits, see our toolkit index page**. 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. 575308. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-6945.

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 Michael Reichard

Michael Reichard
Health Physicist
Materials Security and Industrial Branch
Division of Nuclear Materials Safety

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Tuesday, September 13, 2011 4:30:00 PM

SUNSI Review Complete: MReichard

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