

August 6, 1984

Nuclear Medicine Associates, Inc.

U.S. Nuclear Regulatory Commission
Materials Licensing Branch
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Re: License Renewal Application
For License # 34-07273-01
Expires September 30, 1984

Gentlemen:

Attached is an application for renewal of U.S. NRC License Number 34-07273-01 issued to Sandusky Memorial Hospital.

In accordance with the instructions found on page two of Form NRC 313M, we are submitting the following supplementary information.

- () The appropriate documentation to add authorized user(s) is attached (See NRC 313M, Supplements A & B).
- (x) Item #10. The methods and frequency for dose calibrator calibration and survey meter calibration are attached.
- (x) Item #12. A detailed description of our personnel training program is attached.
- (x) Item #13. A detailed description of our procedures for ordering and receiving radioactive material is attached.
- (x) Item #14. The procedures for safely opening packages containing radioactive materials as outlined in Appendix F, Licensing Guide 10.8 will be followed with the following exceptions. The procedures shall not be applicable to prepackaged in vitro kits except that radiation labels will be obliterated. In addition, evaluation of final source container wipe smears will be performed with a survey meter listed in Item #9 of this application.
- (x) Item #15. General rules for the safe use of radioactive materials, as outlined in Appendix G of the Licensing Guide will be subscribed to at this institution. Additionally, in accordance with 10 CFR 20.501, authorization is requested to dispose of the following records subsequent to NRC inspection of these records:

8504180590 850402
REG3 LIC30
34-07273-01 PDR



Page 1 of 3 pages

1. Dose calibrator accuracy, constancy and linearity checks.
2. Survey meter calibration records.
3. Instrument calibration and quality assurance records. (e.g., camera, well, uptake probe, etc.).
4. Records of training for occupational and nonoccupational personnel.
5. Radiation Safety Committee minutes

Provided that:

1. The record was examined during a routine NRC inspection.
 2. The record is in excess of two years from the date of generation.
 3. Disposal of the record does not conflict with the requirements of other state and federal agencies.
- (x) Item #16. Emergency procedures outlined in Appendix H will be posted and implemented when necessary. The individuals to be notified and their telephone numbers will also be posted and revised as necessary.
- (x) Item #17. A detailed description of the procedures for performing area surveys and analyzing wipe test smears is attached.
- (x) Item #19. The procedures and precautions for radiopharmaceutical therapy as described in Appendix K of Regulatory Guide 10.8 will be followed with the exception that for I-131 patients, the urine will not normally be collected and only patients containing > 30mCi must be hospitalized. In addition, for I-131 therapy:
1. Liquid sources will be opened in a vented hood if available. Gloves, tongs, and lead shielding will be utilized by personnel handling I-131 sources.
 2. Liquid I-131 sources received in closed remote displacement containers designed for direct oral administration to a patient will be treated with the same radiation safety precautions as are employed in the use of capsules containing this radio-nuclide.
 3. The criteria and procedures for a personnel bioassay program will be as described in Regulatory Guide 8.20, September, 1979.
 4. Nursing instructions as defined in Appendix K shall not apply to P-32 except in the colloidal form in which case the nurse will be advised to observe the wound and report any drainage to the Radiation Safety Officer who will be responsible for changing the dressings.

5. If a patient is hospitalized with $< 30\text{mCi}$, radiation safety procedures shall be applied until such time as the residual activity in the patient is $< 8\text{mCi}$.
(Reference: NCRP #37)

- () Item #20. A detailed description of the program and procedures for the therapeutic use of sealed sources is attached.
- (x) Item #21. A detailed description of the facilities, equipment and procedures involved in the use of radioactive gases (i.e., Xenon-133) is included.
- (x) ALARA program is attached.

If you have any questions regarding this application, please do not hesitate to call William H. Miller, from Nuclear Medicine Associates, Inc., Cleveland, Ohio at (216) 641-5799.

Application Prepared by:

William H. Miller / RK
William H. Miller
Consultant

Date: x 8/29/84

Application Reviewed and Approved by:

x [Signature]

Title: x

Control No. 77415

Page 3 of 3 pages
Prepared: 8/6/84

August 6, 1984

Nuclear Medicine Associates, Inc.

Roland J. Bingham, D.O.
c/o Diana Munsey
Radiology Department
Sandusky Memorial Hospital
2020 Hayes Avenue
Sandusky, Ohio 44870

Re: License Renewal

Dear Dr. Bingham:

Attached please find an application for your NRC license. In order for the application to be complete, it must be supported with the information below:

Read the application carefully for completeness and accuracy. If any changes are made, please be sure we have a copy of the changes as submitted.

Have the Certifying Official of the organization named on the license application sign and date Item #26 on page three of form NRC 313M.

Have the Certifying Official of the organization named on the license sign and date page three of the NMA cover letter. This letter is also to be forwarded to the NRC with the renewal application.

Attach a check for \$580.00, payable to: U.S. Nuclear Regulatory Commission.

Retain one copy for your files and send two complete copies of all material to the address below.

Bruce Mallett, Ph.D.
Regional Licensing Section
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

If you have any questions, please do not hesitate to contact me.

Sincerely,

William H. Miller / RK
William H. Miller
Consultant

WJM/kl

Enclosure



RECEIVED

SEP 04 1984

REGION III

SEP 4 1984

Control No. 7 - 15.