

JOHN R. SINKEY, M. D., F.A.C.S.

4346 SECOR ROAD
TOLEDO, OHIO 43623

PRACTICE LIMITED TO
MEDICAL, SURGICAL AND
RADIO ACTIVE IODINE TREATMENT
OF THYROID DISEASES

Applicant	<i>Charles J. Sinkey</i>
Check No.	<i>775</i>
Amount / Fee Category	<i>\$150.00</i>
Type of Fee	<i>Ren</i>
Date Check Rec'd	<i>3/9/84</i>
Received By	<i>CJP</i>

RECEIVED BY LFMB	
Date	<i>3/9/84</i>
Log	<i>Nov 1984</i>
By	<i>CJP</i>
Orig. To	<i>R/III</i>
Action Compl.	<i>Feb 27 1984</i>

OFFICE HOURS:
BY APPOINTMENT ONLY
PHONE 472-2154
AREA CODE: 419

United States Nuclear Regulatory Commission
Materials Licensing Branch
Division of Fuel Cycle & Material Safety
Washington D.C. 20555

License No. 34-0296701
Exp. Date 3-31-84
Program Code: 02201
Notice Date: 1-9-84

I wish to renew my License No. 34-0286701, and will follow previous conditions. Please change the following.

1. Delete the address on 424 W. Woodruff, as the present address is now 4346 Secor Rd, Suite #102, Toledo, OH 43623.

2. I have a new Geiger counter, Ludlum Model 2 survey meter, Probe Model 44-6, serial No. 8690.

3. This office is a highly specialized laboratory used by a single doctor who treats only Thyroid disease. A small number of highly selected patients are tested with Radio-Active-Iodine, and a smaller number are treated with Radio-Active-Iodine. All Radio-Active-Iodine material used in this office is in dry capsule form obtained from Pharmatopes. Individual capsules of a specified Radio-Activity are obtained from Pharmatopes for each patient. The patient is scheduled to receive the capsule within one or two hours after it arrives in the office. Treatment doses are given during or after the lunch hour to avoid exposure to other patients and personnel. In the year 1983, 18 patients were tested and 5 patients were treated with Radio-Active-Iodine. An attempt is made to test patients who are candidates for Radio-Active-Iodine therapy after a diagnosis is made by other means.

4. Testing of Geiger counters is between \$75 and \$95 in this location. Because of the small number of times that it is used, I do not feel that it is necessary to have this Geiger counter recalibrated four times a year. I have a barium 133 test source from Amersham with an activity of 74.14 mc. as of the 6th of June, 1983, with an accuracy of $\pm 4\%$. This is traceable to a source and measured against a reference source calibrated by the Physikalisches-Technische Bundesanstalt Brschwg. I also have a Cesium 137 source of 10 mc. These together are approximately a mock capsule of I^{131} . With these low dose sources, however, the upper 2/3 testing of the Geiger counter, the distance is approximately 5 cm. rather than your recommended 20 cm. The lower 1/3 calibration is at 9 cm. If a calibration check-up using these sources is not satisfactory, would an outside calibration once a year and use of these sources every three months be satisfactory in your opinion? Because I^{131} is the only isotope used in this Lab, I feel that this type of calibration would probably be more specific in this one unique location. If this type of calibration is approved and would be considered an amendment, let me know and I will forward a check for this amendment. This License for use of I^{131} is important to me for the total care of thyroid

8505220283 850501
REG 3 LIC 30
34-02867-01
PDR

*cy sent
to Region
17060*

patients. If this is not satisfactory, it will be necessary for me to subsidize further the I¹³¹ laboratory from the other portions of the practice.

Sincerely,

John R. Sinkey M.D.

John R. Sinkey, M. D.

419-472-2154

JRS/la