

MATERIALS LICENSE  
SUPPLEMENTARY SHEET

License number

12-07207-01

Docket or Reference number

030-01477

Amendment No. 09

Rockford Clinic, Ltd.  
2300 North Rockton Avenue  
Rockford, IL 61103

In accordance with letter dated June 27, 1985 (with attached application), License Number 12-07207-01 is amended as follows:

Items 6., 7., 8., and 9. are amended to add:

6. Byproduct, source,  
and/or special nuclear  
material

7. Chemical and/or  
physical form

8. Maximum amount that  
licensee may possess  
at any one time  
under this license

C. Iodine-125

C. Sealed source(s)  
(AECL Models C-235  
or C-324 enclosed  
within a source holder  
AECL Model C-236)

C. 2 sources not  
to exceed 400  
millicuries each

9. Authorized Use

C. One source to be used in a Norland Bone Densitometer Model N2740 with an N2780 module for bone mineral analysis on humans. One source in its shipping container to be in possession of the licensee as necessary for replacement in the bone densitometer.

Conditions 12. and 14. are amended to read:

12. Licensed material listed in Item 6 above is authorized for use by the following individual(s) for the materials and uses indicated:

Charles L. Pickus, M.D.

Iodine-131 for treatment of  
hyperthyroidism  
Phosphorus-32 for treatment of  
polycythemia vera, leukemia  
and bone metastases

Paul K. Burkholder, M.D.

Iodine-131 for treatment of  
hyperthyroidism  
Iodine-125 in a bone densitometer

Edward W. Klink, M.D.

Iodine-125 in a bone densitometer

14. Except as specifically provided otherwise by this license, the licensee shall possess and use licensed material described in Items 6, 7, and 8 of this license in accordance with statements, representations, and procedures contained in application dated June 11, 1979; letters dated August 6, 1979, May 6, 1985, and June 27, 1985 (with attached application); and Model ALARA Program as contained in Appendix O of Regulatory Guide 10.8, October 1980. The Nuclear Regulatory Commission's regulations shall govern the licensee's statements in applications or letters, unless the statements are more restrictive than the regulations.

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Conditions 15. and 16. are added:

15. Sealed sources containing licensed material shall not be opened or removed from their respective source holders by the licensee.
16. A. (1) Each sealed source containing licensed material, other than Hydrogen 3, with a half-life greater than thirty days and in any form other than gas shall be tested for leakage and/or contamination at intervals not to exceed six months. In the absence of a certificate from a transferor indicating that a test has been made within six months prior to the transfer, a sealed source received from another person shall not be put into use until tested.
- (2) Notwithstanding the periodic leak test required by this condition, any licensed sealed source is exempt from such leak tests when the source contains 100 microcuries or less of beta and/or gamma emitting material or 10 microcuries or less of alpha emitting material.
- B. The test shall be capable of detecting the presence of 0.005 microcurie of radioactive material on the test sample. The test sample shall be taken from the sealed source or from the surfaces of the device in which the sealed source is permanently mounted or stored on which one might expect contamination to accumulate. Records of leak test results shall be kept in units of microcuries and maintained for inspection by the Commission.
- C. If the test reveals the presence of 0.005 microcurie or more of removable contamination, the licensee shall immediately withdraw the sealed source from use and shall cause it to be decontaminated and repaired or to be disposed of in accordance with Commission regulations. A report shall be filed within five (5) days of the test with the U. S. Nuclear Regulatory Commission, Region III, 799 Roosevelt Road, Glen Ellyn, Illinois 60137, describing the equipment involved, the test results, and the corrective action taken.
- D. Tests for leakage and/or contamination shall be performed by the licensee using an NRC approved leak test kit for analysis by persons specifically authorized by the Commission or an Agreement State to perform such services or by other persons specifically authorized by the Commission or an Agreement State to perform such services.

For the U.S. Nuclear Regulatory Commission

Original Signed

By Bruce S. Mallett

Materials Licensing Section, Region III

Date July 31, 1985

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# CONVERSATION RECORD

TIME

11:15 @

DATE

7/26/85

TYPE

☐ VISIT

☐ CONFERENCE

☐ TELEPHONE

☐ INCOMING

☐ OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Dr. Klink

ORGANIZATION (Office, dept., bureau, etc.)

Rockford Clinic

TELEPHONE NO.

815/968-0051

SUBJECT

License Application

SUMMARY

① Dr. Klink is associated with Rockford Clinic and states that his name & the I-125 for use as a sealed source in a Norland Bone densitometer should be handled as an amendment to License # 12-07207-01

② Leak test procedures: by the licensee using an NRC approved leak test kit for analysis by Beta Diagnostics, Inc. or other persons who are authorized

Beta Diagnostics is authorized to teach 8 hr. class for physicians - Lloyd Boling 7/26/85

ACTION REQUIRED

N/A

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

JK Made

DATE

7/26/85

ACTION TAKEN

SIGNATURE

TITLE

DATE