



April 23, 1985

United States Nuclear Regulatory Commission  
Materials Licensing Branch  
Region III  
799 Roosevelt Road  
Glen Ellyn, IL 60139

RE: License #48-00395-02

Dear Sir/Madam:

Enclosed please find a completed form NRC 315-M as well as seven (7) enclosures. These materials are in regard to the renewal of this license which expires on 31 May 1985. In the renewal process, we have chosen to comply with option #2 of the NRC notice of Madison General Hospital dated 4 March 1985. Specifically, only changes from the original license are delineated and in a manner consistent with the requirements of the aforementioned notice.

A check for five hundred and eighty dollars (\$580.00) is attached in accordance with 10CFR170.31.7.C to cover the renewal fee.

Questions regarding this renewal application should be addressed to either:

John S. Edwards, M.D.  
608-267-6090

or

Paul M. DeLuca, Jr., Ph.D.  
608-262-2170

Your attention in this matter is most appreciated.

Sincerely,

Larry G. Kleinsteinber  
Vice President -  
Diagnostic & Treatment Services

/chl  
Enclosures

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REG3 LIC30  
48-00395-02 PDR

202 South Park Street  
Madison, Wisconsin 53715  
608 / 267-6000



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REGION III

CONTROL NO. 78795

Re: Renewal of License #48-00395-02

Madison General Hospital

202 South Park Street

Madison, WI 53715

Document List:

1. Appendix I: List of Modifications
2. Attachment I: Status of 241-Am Source Material
3. Attachment II: Radiation Safety Committee
4. Attachment III: Instrument List
5. Attachment IV: Dose Calibrator Daily Check Procedure
6. Attachment V: Waste Disposal Procedure
7. Attachment VI: Radiation Isolation Nursing Instructions

Document: Appendix I

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Madison General Hospital  
202 South Park Street  
Madison, WI 53715

I. Introduction

This appendix is to delineate the item by item changes in the above USNRC License to be implemented during renewal of this instrument. All changes are referred to USNRC Form NRC-315M and items requested in said form. If no changes are desired, the above licensee intends to fully comply with those conditions stated in the previous application.

II. Individual Changes

II.A. Items 1 thru 3

No changes are made.

II.B. Item 4.

The list of individual users is changed to delete Dr. Shih. All other authorized users remain the same.

II.C. Item 6.b Source Material

The 241-Am source is no longer in the possession of the licensee. Please see Attachment I regarding the fate of this material.

II.D. Item 7 Medical Isotopes Committee

Dr. Shih and Mr. Coats are removed from the isotopes committee (radiation safety committee). A current committee membership list is given in Attachment II. The duties of this committee are those stated in Appendix B of Regulatory Guide 10.8 (henceforth the "Guide").

II.E. Item 9 Instrumentation

The current list of radiation detection instrumentation and the location of said equipment is given in Attachment III.

II.F. Item 10 Calibration of Instruments

Instruments for survey work are calibrated yearly by :  
Accredited Calibration Dosimetry Laboratory  
Department of Medical Physics  
University of Wisconsin  
Madison, WI 53706

The dose calibrator is calibrated by the manufacturer yearly. In Attachment IV, the current procedure for daily checks of the dose calibrator are discussed.

II.G. Items 11 thru 17

No changes are requested for these items.

II.H. Item 18 Waste Disposal

The proposed waste disposal procedure is discussed in Attachment V.

II.I. Item 19 Therapeutic Use of Radiopharmaceuticals

With one exception, Appendix K of the Guide will be followed. The exception concerns item II.k. of Appendix K of the Guide. No attempt will be made to collect urine, excreta, or vomitus of  $^{131}\text{I}$  patients. Considerable experience has demonstrated that a greatly increased hazard to staff personnel exists from contamination and radiation exposure from such activities. Instead these materials will be disposed of through the normal sewer waste system. Since the normal waste water flow from this facility is so immense,  $4 \times 10^4$  l/day, no water concentrations in excess of Appendix B, Table II, Column 2 of Title 10, Part 20 of the CFR should occur. Moreover, existing compliance with all other aspects of Appendix K of the Guide ensures that contamination and exposures to personnel are well controlled. These changes are reflected in the nursing instructions, a copy of which is enclosed as Attachment VI.

II.J Items 20 thru 24

No changes are requested in items 20-24