LUIS A. MORALES, M. D., DABO, FICS.

TELE. CING. 862-0203 642-3040 TELEFOND RES. 842-0198

September 26, 1988

U.S. Nuclear Regulatory Commission Nuclear Materials Safety Section Region 11 101 Marietta Street, N.W. Suite 2900 Atlanta, Ga. 30323

> Subject: lic. 52-04306 Renewal

Gentlemen:

PROLONGACION

CALLE DONCORDIA

EDIFICIO PULLANA 8 - 8

CANTA MARIA, PONCE, P. R.

This represents an application for renewal of license no. 52-04306-01. Our actual license accurately represents the present and antipated activities. There are no additions or deletions at this time. All new N.R.C. regulations has been reviewed and our activities are in compliance.

All documents and letters submitted previously are in accordance with my active program. I will continue operations following the applicable N.R.C. regulations and license conditions.

The telephone number to be contacted concerning this renewal is (809) 842-0203, attention, Dr. Luis A. Morales.

Enclosed is the corresponding renewal fee of \$580.00.

Thans for your attention to this matter.

Sincerely yours,

LUIS A. MORALES, M.D.

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UNITED STATES NUCLEAR REGULATORY COMMISSION REGION II - 101 MARIETTA ST., N.W., SUITE 3100 ATLANTA, GEORGIA 30303 OCT 17 1983

Luis A. Morales, M. D.
Prolongacion Calle Condordia
Edificio Fullana 8-B, Santa Maria
Ponce, PR 00731

License No. 52-04306-01

Control No. 15967

Docket No. 030-03513

SUBJECT: LICENSE RENEWAL APPLICATION

Gentlemen:

This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely lied, and accordingly, the license will not expire until final action has been taken by this office.

Any correspondence regarding the renewal application should reference the control number specified and your license number.

Sincerely,

· Pari R. The

Materials Radiation Protection Section Division of Emergency Preparedness and Materials Safety Programs

Amount/Fee up of Fee. FLC Sheck Rop's LUIS A MORALES, M. D. DABO. PROLONGACION Received By. CALLE CONCORDIA EDIFICIO PULLANA 8-8 SANTA MARIA, PONCE, P. R. GOTST '83 SEP 27 P3:51 September RE LFMB Date. Material Licensing Branch Division of Fuel Cycle and Material Safety Orig. To ... U.S. Nuclear Regulatory Commission Action Compl ... Washington, D.C. Subject: License Renewal 52-04306-01 Gentlemen: This letter represents my application for renewal of license #52-04306-01. No change since last renewal has occurred in my program and I wish to continue operations under my current license. Last documents submitted, dated September 18,1978 are in accordance with my active program. I will continue operations following the applicable N.R.C. regulations and license conditions. My telephone number is (809) 842-0203 and the mailing address is indicated in my license. Enclosed you will find the corresponding renewal fee of \$150.00. Thanks in advance for your cooperation. Cordially yours, LUIS A. MORALES, M.D. LAM/p1s Encl: 1 15967

LUIS A MORALES, M. D. DABO, FICS.

PROLONGACION
GALLE CONCONDIA
EDIFICIO PULLANA D-B
SANTA MARIA, PONCE, P. R. 00731

TELS OFFICIA 842-0203 842-2040 TELEFONO RES. 842-6195

September 18, 1978

Nuclear Regulatory Commission Washington, D. C.

Re: Lic. No. 52-04306-01 Control No. 91429

Information requested for license renewal on letter dated May 5, 1978.

1. The services of a Radiation Physicist as a consultant has been obtained.

Name: Mr. Daniel Torres M.S. Medical Physicist Mayaguez Medical Center

He will supply the survey instruments necessary for measuring dose levels.

- A. Victoreen Cutie Pie 740 D.
- B. Victoreen C.M. Thyac III

At present Mr. Torres performs as a Physicist at Mayaguez Medical Center and as a consultant to the following licensees:

- A. Oncologic Clinic Ponce, P. R.
- B. Saint Lukes Hospital- Ponce, P. R.
- C. Damas Hospital-Ponce, P. R.

His curriculum vitae has been previously submitted to you by all those hospitals.

- 2. The calibration of instruments will be performed by the consultant. He will use calibration sources available at the Mayaguez Nuclear Center.
- 3. The source will be stored at my office in a metal cabinet using the box case provided by the manufacturer. There shall be no detectable beta radiation on surface when box is closed.

. 2 . The personnel dosimetry program will be recommended by the consultant. We are considering Everline Co. or I. C.N. Co. The sources will be in the storage box at all times and will only be renewed when it is to be applied on a patient. After each treatment the source will be cleaned with alcohol and returned to the storage box. Total handling time is estimated to be less than 3 minutes. If the source is lost, the consultant will be in charge of searching and reporting such incident to N.R.C. Leaking shall be detected by the consultant and if such, he will procede to ship it back to the manufacturer. In case of fire, the source will be located and evaluated for damage. If the source is damaged, it will be sent to the manufacturer. Source is transported from storage area to treatment room in the same box supplied by manufacturer. The distance is less than 10 feet. Source is secured while not in use by means of a lock attached to the storage cabinet. The keys to the cabinet lock are in my possession at all times. A leak test will be performed every six months by the consultant. He will use wet cotton swabs and a proportional counter available at Mayaguez Nuclear Center, (P. C. C. 11 T). In case any of the above information needs further clarification, please don't hesitate to ask for it. LUIS A. MORALES, M.D. LA M/pls

LUIS A. MORALES, M. D. DABO, FICS. PROLDNOACION TELS OFICINA 842-0203 CALLE CONCORDIA 842-2040 EDIFICIO FULLANA B.B TELEFONO RES. 542-5195 SANTA MARIA, PONCE, P. R. 00731 September 18, 1978 Dr. Frank C. Davis Radioisotopes Licensing Branch Division of Fuel Cycle and Material Safety Nuclear Regulatory Commission Washington, D. C. 20555

> I would like to ammend my reply (dated May 17, 1978) to your letter of May 5, 1978, in which you asked for additional information for the renewal of any Byproduct License No. 52-04306-01. Enclosed you will find new information in support of the application

In order to improve my radiation safety conditions at my office, as well as to perform calibration and leak testing, a local Radiation Physicist has been engaged on a consultant type basis to provide the

I hope that with this step taken you will be able to review my applica-

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INSPECTION AND ENFORCEMENT

necessary services (see enclosed information).

tion and renew my existing license.

Dear Sir:

already submitted.

Cordially yours,

LAM:pls

Encl: 1

LUIS A. MORALES, M.D.

Re: Lic. No. 52-04306-04

Control No. 91429

LUIS A. MORALES, M. D. DABO, FICS.

PROLONGACION

EALLE CONCORDIA

EDIFICIO FILLANA B-B

SANTA MARIA, PONCE, P. R. 00751

TRUE OFICINA 842-0203 842-2040 TRUEFONO RES. 842-6195

May 17, 1978

Mr. Frank C. Davis
Radioisoteopes Licensing Branch
Division of Fuel Cycle and
Material Safety
Nuclear Regulatory Commission
Washington, D. C. 20555

Lic. No. 52-04306-01 Control No. 91429

Dear Sir:

Thank for your letter of may 5, 1978, in which you ask for additional information to renew my Syproduct License.

- 1. Yearly calibration and maintenance by Health Physics Associates.
 - 2. See above.
 - 3. Stored under lock and key. Self shielded in its box.
 - 4. For pterygium 2,400 Reps, total and in one dose.

For tenonitis 1,800 Reps, total.

For Keloid 3,600 Reps, total

- 5. In my case it is a matter of superficial application of the applicator on the area and taken back inmediately to its casing.
- 6. If lost or stolen: notify you. In case of leaheage: have it serviced. If caught in a fire: will ask for instructions from you.

11 IF END NO. 201 AND MARK

7. In its box.

8- Secured under lock and key.

COPIEG SENT TO DUF. OF SPECTION AND ENTITICEMENT

m

LUIS A. MORALES M.D.

LAM:pls

1 1

dgel Bureau No. 38-R0027

APPLICATION FOR BYPRODUCT MATERIAL LICENSE

INSTRUCTIONS -- Complete Items 1 through 16 if this is an initial application or an application for renewal of a license. Information contained in previous applications filed with the Commission with respect to Items 8 through 15 may be incorporated by reference provided references are clear and specific. Use supplemental sheets where necessary Item 16 must be completed on all applications. Mail two copies to: U.S. Atomic Energy Commission, Washington, D.C., 20545, Attention, Materials Branch, Directorate of Licensing, Upon approval of this application, the applicant will receive an AEC Byproduct Material License An AEC Byproduct Material License is issued in accordance with the general requirements contained in Title 10. Code of Federal Regulations. Part 30, and the Licensee is subject to Title 10. Code of Federal Regulations. Part 20, and the license fee provisions of Title 10. Code of Federal Regulations, Part 170. The license fee category should be stated in Item 16 and the appropriate fee enclosed. (See Note in Instruction Sheet).

(a) NAME AND STREET ADDRESS OF APPLICANT (Institution, firm, hospital person, etc. include ZIP Code and telephone number.)

Luis A. Morales, M.D. Fullana Bldg. 8-B Ponce. P. R. 00731

(b) STREET ADDRESS(ES) AT WHICH BYPRODUCT MATERIAL WILL BE USED. III different from 1(a) Include ZIP Code.)

Same.

DEPARTMENT TO USE BYPRODUCT MATERIAL

Ophthalmology

supervise use of byproduct material. Give training and experience in Items 8 and 9)

Luis A. Morales, M.D.

3 PREVIOUS LICENSE NUMBER(S). (If this is an application for renewal of a license. please indicate and give number.)

52-4306-1

(K60)

INDIVIDUAL USER(S). (Name and title of individual(s) who will use or directly 5 RADIATION PROTECTION OFFICER. (Name of person designated as radiation protection officer if other than individual user. Attach resume of his training and experience as in Items 8 and 9.)

Same.

6. (a) BYPRODUCT MATERIAL (Elements and mass number of each.)

SR 90

(b) CHEMICAL AND/OR PHYSICAL FORM AND MAXIMUM NUMBER OF MILLICURIES OF EACH CHEMICAL AND/OR PHYS ICAL FORM THAT YOU WILL POSSESS AT ANY ONE TIME. (If sealed cource(s), also state name of manufacturer, model number, number of sources and maximum activity per source.)

Sealed Beta Therapy Source M-1 Mfg by Technical operation, Inc. Arlington 74, Mass.

R E Beta 58 as of Jan. 5, 1956

DESCRIBE PURPOSE FOR WHICH BYPRODUCT MATERIAL WILL BE USED. (If byproduct material is for "human use," supplement A (form AEC 313a) must be completed in lieu of this item. If bypraduct material is in the form of a sealed source, include the make and model number of the starage container and/or device in which the source will be stored and/or used.)

See form AEC 313 A.

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91429

WARNING.—18 U. S. C., Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

Form AFC-3130 (2-73) 10 CFR 30 PAGE 1

APPLICATION FOR BYPRODUCT MATERIAL LICENSE-MEDICAL

SUPPLEMENT A-HUMAN USE

Form approved. Budget Bureau No. 38-ROOBO

CIRCLE ANSWER

If byproduct material is to	r "human u	se" (internal	administration of	byproduct material,	or the radiation	therefrom to human	beings),
complete this supplement	and attach I	to the applica	tion for byproduct	material license			

	Luis A, Morales M.D.	NAME AND ADDRESS OF APPLICANT (If different from T(o) Include 2IP Code.)		
2	THE USING PHYSICIAN INDICATED ABOVE IS LICENSED TO OF THE UNITED STATES, THE DISTRICT OF COLUMBIA, OR	O DISPENSE DRUGS IN THE PRACTICE OF MEDICINE BY A STATE OR TERRITORY THE COMMONWEALTH OF PUERTO RICO. CIRCLE ANSWER	(ves)	₩0
3		OTOPE EXPERIENCE (PAGE 3 OF THIS SUPPLEMENT) IS SUBMITTED IN SUPPORT 2 OF THIS SUPPLEMENT TO EXPLAIN OR REFER TO OTHER APPLICATION OR PEARS. CIRCLE ANSWER	(YES)	NO
4	A DESCRIPTION OF THE USING PHYSICIAN'S TRAINING AND	D EXPERIENCE IN BASIC RADIOISOTOPE HANDLING TECHNIQUES AND/OR RADI-	(,,,,,)	

5. (a) DESCRIBE PURPOSE FOR WHICH MATERIAL WILL BE USED INCLUDING SPECIFIC CONDITIONS OR DISEASES TO BE DIAGNOSED OR TREATED (Use page 2 if

- 1. Recurrent pterygium
- 2. Tenonitis
- 3. Pyctenular disease
- 4. Corneal vascularization.

(b) CHEMICAL FORM ADMINISTERED

SR 90

(c) DOSAGE SCHEDULE FOR EACH CONDITION TO BE DIAGNOSED OR TREATED

Maximum: 2400 reps. on all.

6. INVESTIGATIVE PROPOSAL FOR EXPERIMENTAL OR NON-ROUTINE USE IS APPENDED. (See Appendix F of AEC Licensing Guide for items to be submitted):	CIRCLE ANSWER	YES	(NO)
	PRESIDENT FOR THE PARTY OF THE	DENTERA	40

IF BYPRODUCT MATERIAL WILL NOT BE OBTAINED IN PRECALIBRATED FORM FOR ORAL ADMINIS MINISTRA TION, DESCRIBE IDENTIFICATION, PROCESSING, AND STANDARDIZATION PROCEDURES.

Is pre calibrated.

ANSWER	(YES)	NO
ANSWER	(YES)	NO
	CIRCLE ANSWER	(ver)

UNITED STATES ATOMIC ENERGY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE-MEDICAL

SUPPLEMENT A-HUMAN USE

PAGE 2

This page may be used for providing additional information. Please cross reference to specific items.

ES 2 14 5 000 H

21

form AEC-313a (2-73) FAGE 3

UNITED STATES ATOMIC ENERGY COMMISSION

APPLICATION FOR BYPRODUCT MATERIAL LICENSE-MEDICAL

SUPPLEMENT A-PRECEPTOR STATEMENT

This page is to be completed by the applicant physician's preceptor. If more than one preceptor is necessary to document experience, obtain a separate statement from each. Page 2 may be used for comments and additional information.

10. NAME AND ADDRESS OF APPLICANT PHYSICIAN (Include ZIP Code.)

Luis A. Morales, M.D.

(A)	TRAINING AND EXPERIENCE OF PAYSICIAN NAMED IN ITEM 10 ABOVE	(C)	(D)
SOTOM	CONDITIONS DIAGNOSED OR TREATED	No. Cases Observed (See 1 in key below)	No Cases Involving Personal Participation (See 2 in key below
F131	Diagnosis of thyroid function		
or I-125	Determination of blood and blood plasma volume		
	Liver function studies		
	Fat absorption studies		
	Kidney function studies		
	In vitro studies		
Cr-51	Gastrointestinal protein loss studies		
	Determination of red blood cell volume and studies of red blood cell survival		
Fe-59	Iron turn over studies		
Co-58or Co-60	Intestinal absorption studies		
K-42	Potassium space determinations		
F131	Thyroid imaging		
	Brain tumor localization and cardiac image g		
	Cisternography		
	Lung imaging		
	Liver imaging		
	Kidney imaging		
	Placenta localization		
Cr-51	Placenta localization		
	Spleen imaging		
Au-198	Liver imaging		
Hg-197	Brain imaging		
	Kidney imaging		
Hg-203	Brain imaging		
Sr-85	Bone imaging		
Tc-99m	Brain imaging		
	Thyroid imaging		
	Salivary gland imaging		
	Blood pool imaging .	***************************************	

D. ...

APPLICATION FOR BYPRODUCT MATERIAL LICENSE--MEDICAL

SUPPLEMENT A-HUMAN USE

ISOTOPE	CONDITIONS DIAGNOSED OR TREATED	No. Cases Observed (See 1 in key below)	(D) No Cases Involving Personal Participation (See 2 in key below
Tc-99m	Placenta localization		
	Liver and spieen imaging		
	Lung imaging		
	Bone imaging		
Xe-133	Blood flow studies and pulmonary function studies		
Se-75	Pancreas imaging		
P-32	Treatment of polycythemia, leukemia, and Bone metastases		
	Intracavitary treatment		
+131	Treat nent of thyroid carcinoma		
	Treatment of hyperthyroidism and cerdiac . condition		
Au-198	Intracavitary treatment		
Co-60 or	Interstitial treatment		
CO-137	Intracavitary treatment		
Ir-192	Interstitial treatment		
Co-60 CO-137	Teletherapy treatment		
Sr-90	Treatment of eye disease	30.	over 3,000

Key to Column (C) and (D) above

- Observation should consist of observing radioisatope administration techniques and discussion with preceptor the case histories to establish most appropriate diagnostic and/or therapeutic procedure, limitation, contraindications, etc.
- 2. Personal participation should consist of (a) supervised examination of patients to determine the suitability for radioisotope diagnosis and/or treatment and recommendation or dosage to be prescribed; (b) collaboration in calibration of the dose and the actual administration of the dose to the potient, including calculation of the radiation dose, related measurements, and plotting of data; and (c) adequate period of training to enable the physician to manage radioactive patients and to follow patients through diagnosis and/or the course of treatment.
- 12. DATES AND TOTAL NUMBER OF HOURS OF CLINICAL RADIOISOTOPE TRAINING O & O Academy Meeting 1955 8 hrs.
- 13. THE TRAI ING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF Ramón Castroviejo, M.D.

AT 0 LO Pasterary (Institution) Name and Address

52-04306-1

(Signature of Preceptor)

(Byproduct Material License Number)

PRIVACY ACT STATEMENT

Pursuant to 5 U.S.C. 552a(e)(3), enacted into law by section 3 of the Privacy Act of 1974 (Public Law 93-579), the following statement is furnished to individuals who supply information to the Nuclear Regulatory Commission on Forms NRC-313, NRC-313a, or NRC-313r. This information is maintained in a system of records designated as NRC-3 and described at 40 Federal Register 45334 (October 1, 1975).

1. FORM NUMBER (AND DATE) NRC-313 NRC-313a	2. FORM TITLE Application for Byproduct Material License Application for Byproduct Material License, Supplement
NRC-313r	Application for Byproduct Material LicenseUse of Sealed Sources in Radiography

- 3. AUTHORITY Sections 81 and 161(b) of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2111 and 2201(b)).
- 4. PRINCIPAL PURPOSE(S) The information is evaluated by the NRC staff pursuant to the criteria set forth in 10 CFR Parts 30-36 to determine whether the application meets the requirements of the Atomic Energy Act of 1954, as amended, and the Commission's regulations, for the issuance of a byproduct material license or amendment thereof.
- 5. ROUTINE USES The information may be used: (a) to provide records to State health departments for their information and use; and (b) to provide information to Federal, State, and local health officials and other persons in the event of incident or exposure, for their information, investigation, and protection of the public health and safety. The information may also be disclosed to appropriate Federal, State, and local agencies in the event that the information indicates a violation or potential violation of law and in the course of an administrative or judicial proceeding. In addition, this information may be transferred to an appropriate Federal, State, or local agency to the extent relevant and necessary for an NRC decision or to an appropriate Federal agency to the extent relevant and necessary for that agency's decision about you. A copy of the license issued will routinely be placed in the NRC's Public Document Room, 1717 H Street, N.W., Washington, D.C.
- 6. WHETHER DISCLOSURE IS MANDATORY OR VOLUNTARY AND EFFECT ON INDIVIDUAL OF NOT PRO-VIDING INFORMATION Disclosure of the requested information is voluntary. If the requested information is not furnished, however, the application for byproduct material license, or amendment thereof, will not be processed.
 - 7. SYSTEM MANAGER(S) AND ADDRESS
 Director, Division of Fuel Cycle and
 Material Safety
 Office of Nuclear Material Safety and
 Safeguards
 U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555