



**Veterans
Administration**

September 11, 1987

Ioannis A. Lougaris
Medical Center

1000 Locust Street
Reno NV 89520

RECEIVED
NRC
REGION V

1987 SEP 14 A 10 13

United States Nuclear Regulatory Commission
1450 Maria Lane - Suite 210
Walnut Creek, CA 94596

In Reply Refer To: 654/115
Docket No. : 030-08714
License No.: 27-151192-01
Control No.: 70608

Gentlemen:

In response to your inquiries for additional information, we submit the following:

1. Nuclear medicine room arrangements -

The complete modular system of the vacated hot lab was retained and moved to Room 516. Essentially the only change was the refrigerator which was moved to the left of the sink. There are no sealed sources for therapeutic use. There are no unrestricted areas within the department; the entire area including Rooms 514, 515, and the hallway are restricted to patients and employees. The door to Room 516 is lockable and the entire department is locked and can be entered after hours only by authorized personnel.

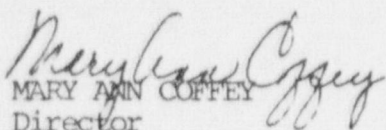
2. Actual survey results for the close out surveys conducted in the former nuclear medicine area have been submitted from the RSO. A copy of the report is enclosed which includes:

- a. Diagrams of each room surveyed.
- b. Instrument descriptions.
- c. Copies of survey results.

3. Department of Transportation regulations will be followed by the research laboratories when scintillation vials are transferred to the University of Nevada/Reno. The activities at the university are covered under the State of Nevada License No. 16-13-0003-02, expiration date April 30, 1989.

4. The NRC license can be rewritten in the new format.

Sincerely,


MARY ANN COFFEY
Director

Enclosures: 3

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REGS LIC30
27-151192-01

PDR

#1—Thanks to our Veterans"

70608

E. CARL CHAMBERLAIN
CERTIFIED RADIOLOGICAL PHYSICIST

3304 Susileen Dr.
Reno, NV 89509
(702) 785-5638

To: John Hamblin, M.D.
Chairman, Radiation Safety Committee
VAMC

From: E. Carl Chamberlain

Date: 26 June 1987

Subject: Radiation Survey of Vacated Nuclear Medicine Laboratory

A radiation safety survey was conducted of the vacated nuclear medicine laboratory on this date. A properly calibrated GM detector was used. All areas of the laboratory were checked with the GM detector. Wipes were obtained from the floors in which radioactive material was routinely used. Wipes and scans were taken in the in vivo areas as well. The radioactive waste storage areas are not effected by the move.

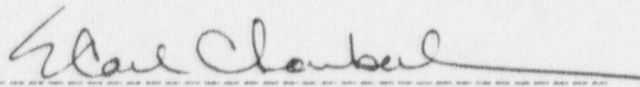
The extent of the survey is shown on the accompanying laboratory drawing. The boxes are the positions where exposure rates were measured and wipes taken. A Solar Electronics MDN4 GM detector with mica window (2mg/cm²) was used (calibration date: 6 Mar 1987). Wipes were obtained and counted on a Baird Atomic Model 530 Spectrometer with end window GM detector with window (2mg/cm²). Background on the GM survey meter was 0.02-0.04 mR/hr. Background on the GM Baird System with the discriminator settings used was (100 cpm (86cpm). The counting efficiency of the Baird system is 4.26×10^{-6} microcuries/cpm for Sr90.

RESULTS

POSITION	NUMBER	EXPOSURE RATE mR/hr	WIPE net cpm
HOT LAB	1	.02	36
HOT LAB	2	.04	16
HOT LAB	3	.02	25
HOT LAB	4	.03	38
HOT LAB	5	.04	6
HOT LAB	6	.02	51
HOT LAB	7	.02	35
HOT LAB	8	.02	32
SCAN ROOM	9	.03	50
SCAN ROOM	10	.04	34
SCAN ROOM	11	.03	12
SCAN ROOM	12	.02	39
SCAN ROOM	13	.04	46
SCAN ROOM	14	.03	31
SECRETARY	15	.02	25
DR. OFFICE	16	.02	42
DR. OFFICE	17	.03	32
RAI AREA	18	.03	37
RAI AREA	19	.03	21
RAI AREA	20	.04	28
INJECTION	21	.04	35
INJECTION	22	.04	44

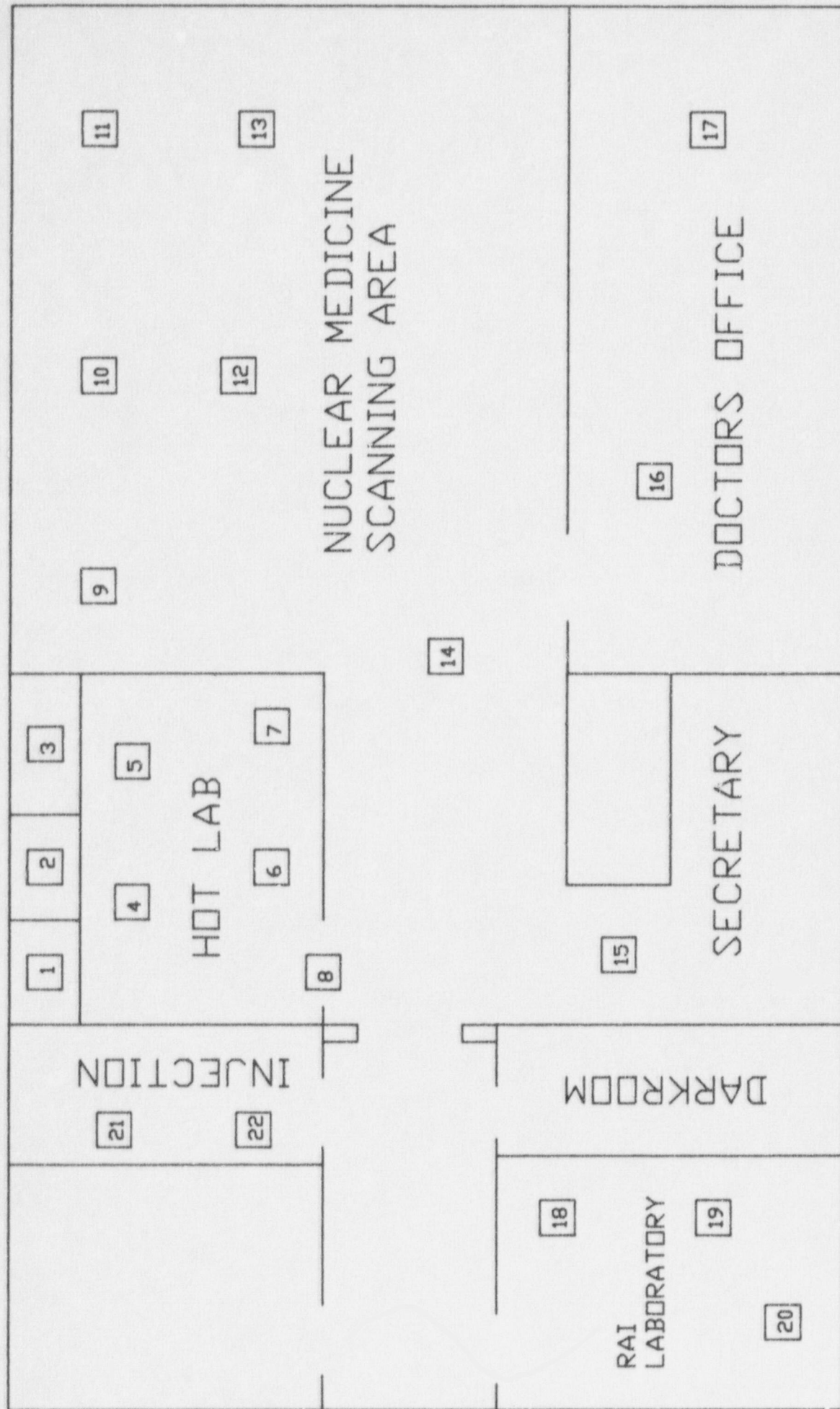
No contamination was found in any of the areas used by the nuclear medicine program. Essentially only background levels of radiation were observed.

Respectively submitted:



E. Carl Chamberlain
Certified Radiological Physicist

☐ WIPE POSITIONS



VETERAN ADMINISTRATION OLD NUCLEAR MEDICINE AREA