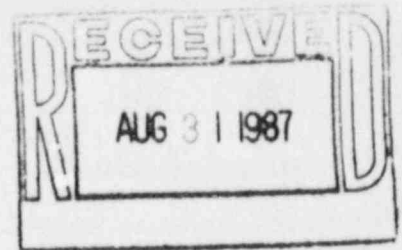


James H. Goodwin, M.S.
CERTIFIED RADIOLOGICAL PHYSICIST
6161 South Yale Ave.
Tulsa, Oklahoma 74136
Phone: 918 494-1444
or 918 747-5106



PHYSICS CONSULTATION IN:
DIAGNOSTIC X-RAY
RADIATION THERAPY
NUCLEAR MEDICINE
RADIOGRAPHY
INSTRUMENTATION

LEAK TESTING
SHIELDING DESIGN
RADIATION SAFETY
PERSONNEL MONITORING
NRC LICENSE APPLICATIONS
STATE AND FEDERAL COMPLIANCE

August 11, 1987

Mr. Charles L. Cain, Chief
Nuclear Materials Licensing Section
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive - Suite 1000
Arlington, Texas 76011

FEE NOT REQUIRED

Can't 46/452

RE: AMISUB Incorporated, Inc.
dba Doctors' Hospital or
Doctors' Medical Center
License #3517926-02

9/3/87
Sept 1-IV
Murray
9/3/87

Dear Mr. Cain:

In accordance with Amendment #2 to their byproduct materials license, Doctors' Medical Center has transferred its nuclear medicine operation from its former site in the basement of the hospital to its new location on the first floor. With the exception of an existing long-term storage area adjacent to the former nuclear medicine area, all radioactive material usage and storage will now take place in the new location.

After the former basement location was vacated and prior to any new utilization of the area, a decontamination survey was conducted. This survey included the monitoring of ambient exposure levels as well as removable contamination in the area. The exposure level survey was conducted using an Eberline model E-520 GM survey meter (lowest scale 0-0.2 mR/hr) which was calibrated on 3-18-87 in accordance with the Nuclear Regulatory Commission materials license of its owner, Saint Francis Hospital (license #35-07163-01). The removable contamination test wipes were measured with a Picker Spectroscaler 4 single channel scintillation well counter which was calibrated with Co-57 and Cs-137 sources on 8-6-87, the same date that the wipes were measured. The wipes and standards were measured using a 50-950 keV window. All wipes were made over an area of 100 cm². The results of my surveys are shown on the following table which is keyed to the locations indicated on the attached facility diagram. As can be seen, exposure levels were at background

87-1530

8804210288 870925
REG4 LIC30
35-17926-02 PDR

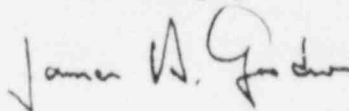
461644

level and removable contamination was <100 dpm/100 cm² at each survey point.

In light of these results, we request that Doctors' Medical Center be granted an amendment authorizing release of the old facility for unrestricted use.

If you have any questions regarding this decontamination survey, I can be reached at 918-494-1444.

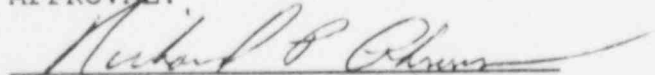
Sincerely yours,



James H. Goodwin, M.S.
Certified Radiological Physicist

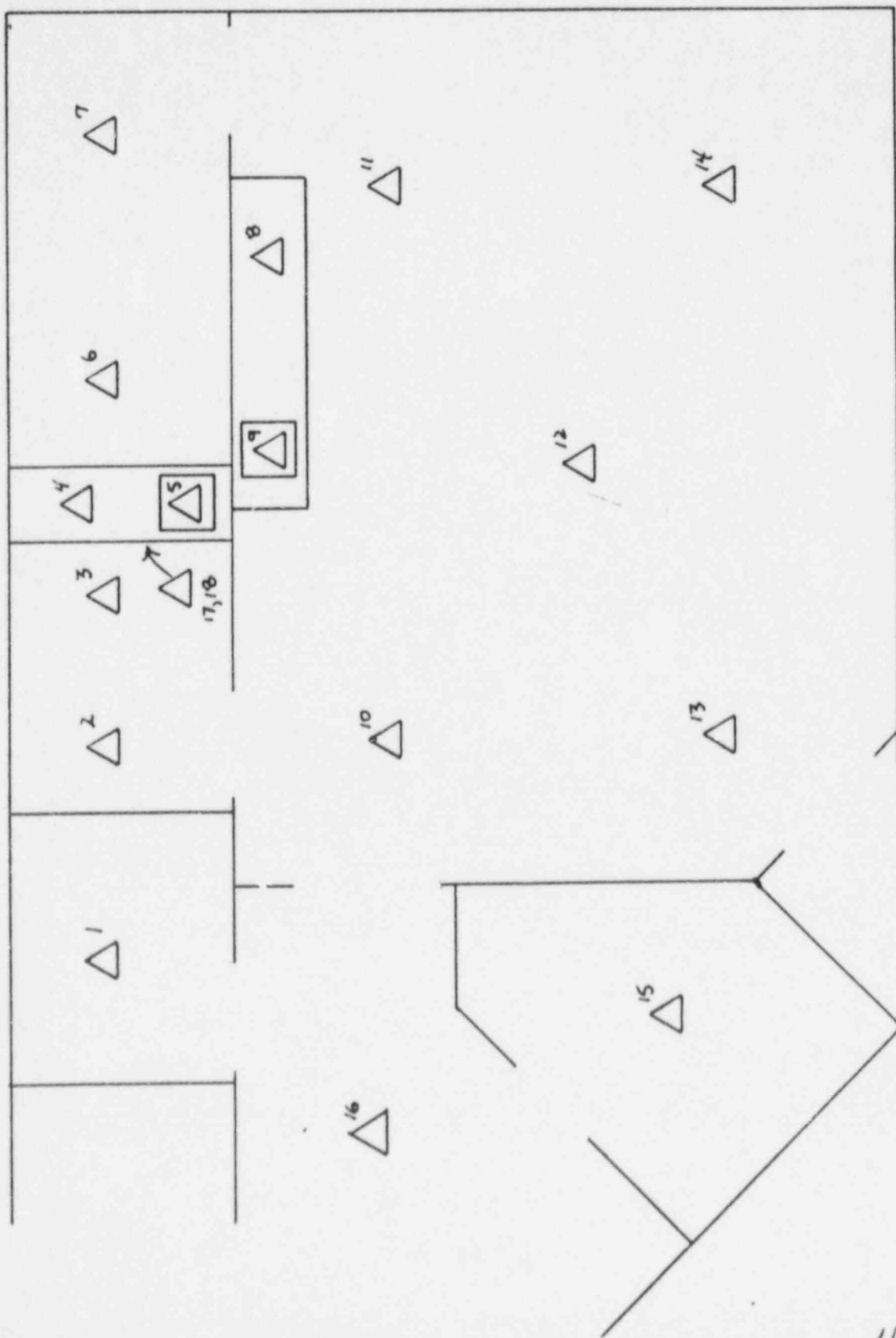
JHG/mjs

APPROVAL:


Richard Ahrens, Administrator
Doctors' Medical Center

cc: Division of Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, DC 20555

461644



DOCTOR'S MEDICAL CENTER
TULSA OK

461644

Table 1 Measured Exposure Rates

Location	Map Key	Exposure Rate
Dark Room (3' above floor)	1	<0.02 mR/hr
Hot Lab (3' above floor)	2	<0.02 mR/hr
Hot Lab (3' above floor)	3	<0.02 mR/hr
Hot Lab Counter (surface)	4	<0.02 mR/hr
Hot Lab Sink (surface)	5	<0.02 mR/hr
Storeroom (3' above floor)	6	<0.02 mR/hr
Storeroom (3' above floor)	7	<0.02 mR/hr
Counter (surface)	8	<0.02 mR/hr
Sink (surface)	9	<0.02 mR/hr
Exam Room (3' above floor)	10	<0.02 mR/hr
Exam Room (3' above floor)	11	<0.02 mR/hr
Exam Room (3' above floor)	12	<0.02 mR/hr
Exam Room (3' above floor)	13	<0.02 mR/hr
Exam Room (3' above floor)	14	<0.02 mR/hr
Office (3' above floor)	15	<0.02 mR/hr
Hall (3' above floor)	16	<0.02 mR/hr
Hot Lab Upper Cabinets (surface)	17	<0.02 mR/hr
Hot Lab Lower Cabinets (surface)	18	<0.02 mR/hr

461644

Table 2 Measured Removable Contamination

Location	Map Key	Measured CPM	Net CPM	dpm/100 cm ²
Dark Room (floor)	1	116	<25	<100
Hot Lab (floor)	2	108	<25	<100
Hot Lab (floor)	3	123	<25	<100
Hot Lab (counter)	4	131	<25	<100
Hot Lab (sink)	5	110	<25	<100
Storeroom (floor)	6	110	<25	<100
Storeroom (floor)	7	99	<25	<100
Exam Room (counter)	8	119	<25	<100
Exam Room (sink)	9	103	<25	<100
Exam Room (floor)	10	127	<25	<100
Exam Room (floor)	11	116	<25	<100
Exam Room (floor)	12	114	<25	<100
Exam Room (floor)	13	96	<25	<100
Exam Room (floor)	14	110	<25	<100
Office (floor)	15	111	<25	<100
Hall (floor)	16	118	<25	<100
Hot Lab Upper Cabinets (surface)	17	125	<25	<100
Hot Lab Lower Cabinets (surface)	18	118	<25	<110

background : 115 cpm (average)

Co-57 standard (0.001 μ Ci) : 1785 cpm (average)

counts per disintegration for Co-57 = $\frac{1785-115}{37 \times 60} = 0.75$

counts per disintegration for Tc-99m = $0.75 \times \left[\frac{0.88}{0.96} \right] = 0.69$

461644

NOTE TO: License Fee Management Branch, ADM

FROM: Region IV

SUBJECT: VOIDED APPLICATION

Sent - IV

Control Number 420 302

Applicant AMISUB, Inc.

Date Voided 9/11/87

Reason for Void

Action is a duplicate
of Control Number 461444.

Signature

Joe A. Marshall

Attachment:
Application

OK
FM B
No fee
collected

MI40

SIGNED _____
DATE 5/2/87

30 - 20273

James H. Goodwin, M.S.
CERTIFIED RADIOLOGICAL PHYSICIST
6161 South Yale Ave.
Tulsa, Oklahoma 74136
Phone: 918 494-1444
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RADIATION SAFETY
RECEIVED PERSONNEL MONITORING
NRC LICENSE APPLICATIONS
STATE AND FEDERAL COMPLIANCE

SEP - 1 P2:53
August 11, 1987

Mr. Charles L. Cain, Chief
Nuclear Materials Licensing Section
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive - Suite 1000
Arlington, Texas 76011

AUG 31 P2:11

RE: AMISUB Incorporated, Inc.
dba Doctors' Hospital or
Doctors' Medical Center
License #3517926-02

NOT REQUIRED
Cont'd 461452

Dear Mr. Cain:

9/1/87
Sept - 1-15
Merrin 9/1/87

In accordance with Amendment #2 to their byproduct materials license, Doctors' Medical Center has transferred its nuclear medicine operation from its former site in the basement of the hospital to its new location on the first floor. With the exception of an existing long-term storage area adjacent to the former nuclear medicine area, all radioactive material usage and storage will now take place in the new location.

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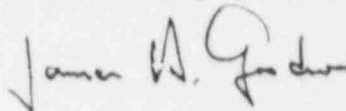
461644
#20302

level and removable contamination was <100 dpm/100 cm² at each survey point.

In light of these results, we request that Doctors' Medical Center be granted an amendment authorizing release of the old facility for unrestricted use.

If you have any questions regarding this decontamination survey, I can be reached at 918-494-1444.


Sincerely yours,



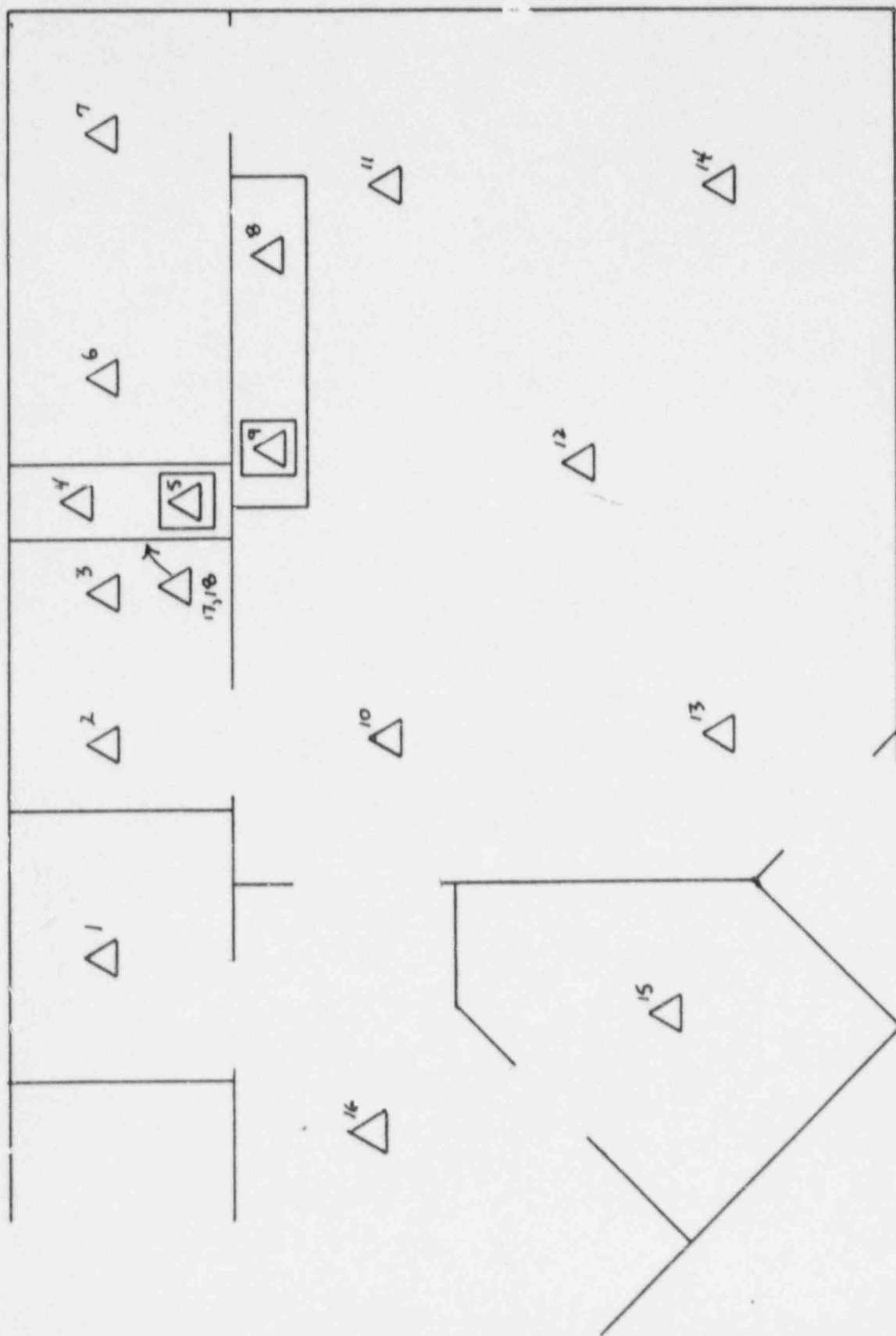
James H. Goodwin, M.S.
Certified Radiological Physicist

JHG/mjs

APPROVAL:


Richard Ahrens, Administrator
Doctors' Medical Center

cc: Division of Fuel Cycle and Material Safety
U.S. Nuclear Regulatory Commission
Washington, DC 20555



DOCTOR'S MEDICAL CENTER

TULSA OK

461644

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Table 2 Measured Removable Contamination

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