

## MATERIALS LICENSE

Amendment No. 12

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

302116

Licensee		In accordance with letter received December 9, 1996	
1. Dickinson County Memorial Hospital		3. License Number 21-18889-01 is amended in its entirety to read as follows:	
2. 1721 South Stephenson Iron Mountain, MI 49801		4. Expiration Date July 31, 2000	
		5. Docket or Reference No. 030-17318	
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	
A. Any byproduct material identified in 10 CFR 35.100	A. Any radiopharmaceutical identified in 10 CFR 35.100	A. As needed	
B. Any byproduct material identified in 10 CFR 35.200	B. Any radiopharmaceutical identified in 10 CFR 35.200	B. As needed	
9. Authorized Use:			
A. Medical use described in 10 CFR 35.100.			
B. Medical use described in 10 CFR 35.200.			

CONDITIONS

10. Locations of Use: 400 Woodward Avenue, Iron Mountain, Michigan and 1721 South Stephenson, Iron Mountain, Michigan.
11. Radiation Safety Officer: Dale R. Shampo, M.D.

030066



COPY

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

21-18889-01

Docket or Reference Number

030-17318

Amendment No. 12

12. Authorized Users:

- A. Bayani Manzano, M.D., for material in 10 CFR 35.100 and 35.200.
- B. Mervin J. Specht, M.D., for material in 10 CFR 35.100 and 35.200.
- C. Dale R. Shampo, M.D., for material in 10 CFR 35.100 and 35.200.
- D. Danilo Zapanta, M.D., for material in 10 CFR 35.100 and 35.200.
- E. Kristen K. DeStigter, M.D., for material in 10 CFR 35.100 and 35.200.
- F. John S. To, M.D., for material in 10 CFR 35.100 and 35.200.

13. Pursuant to 10 CFR Part 40, "Domestic Licensing of Source Material," the licensee is authorized to possess, use, transfer, and import up to 999 kilograms of depleted uranium contained as shielding material.

14. The licensee shall maintain records of information related to decommissioning at the address in Condition 10. per the provisions of 10 CFR 30.35(g) until this license is terminated by the Commission.

15. This license is based on the licensee's statements and representations listed below:

- A. Application dated April 30, 1990;
- B. Letters dated February 5, 1993, June 3, 1996, October 30, 1996 and November 19, 1996; and
- C. Letter received December 9, 1996.

FOR THE U.S. NUCLEAR REGULATORY COMMISSION

Date

3/25/97

By

*Richard W. Allen*  
Nuclear Materials Licensing Branch, Region III

**COPY**

BETWEEN:

License Fee Management Branch, ARM  
and  
Regional Licensing Sections

(FOR LFMS USE)  
INFORMATION FROM LTS

Program Code: 02120  
Status Code: 0  
Fee Category: 7C 2B  
Exp. Date: 20000731  
Fee Comments: CODE 13  
Decom Fin Assur Req'd: N

SS

LICENSE FEE TRANSMITTAL

A. REGION

1. APPLICATION ATTACHED

Applicant/Licensee: DICKINSON CTY. MEMORIAL HOSPITAL  
Received Date: 961209  
Docket No: 3017318  
Control No.: 302116  
License No.: 21-18889-01  
Action Type: Amendment

2. FEE ATTACHED

Amount:

Check No.: ~~X~~

~~X~~ ADDL INFO  
301668 - 55

3. COMMENTS

Signed  
Date

*D. Hersey*  
*12-1-96*

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered)

1. Fee Category and Amount:

7C ~~FEES~~ NOT REQUIRED

2. Correct Fee Paid Application may be processed for:

Amendment

Renewal

License

3. OTHER

Signed  
Date

*SC*  
*12/13/96*

DEC 18 1996

RECEIVED BY LFDCB	
Date	<i>Dec. 13, 1996</i>
Log	<i>Dec 5 III</i>
By	<i>SC</i>
Date Completed	<i>12/13/96</i>

1996 DEC 13 AM 8:47



DICKINSON  
COUNTY  
HEALTHCARE  
SYSTEM

To: Gidget Watson  
Nuclear Materials Licensing Branch  
U.S. Nuclear Regulatory Commission  
Region III  
801 Warrenville Road  
Lisle, Illinois

Re: Close-out Survey of Old Nuclear Medicine Department  
Camera Room and Hot Lab

This is a summary report of close-out survey performed Nov. 22, 1996, of former Nuclear Medicine Department at Dickinson County Memorial Hospital.

Purpose of Close-out Survey:

The purpose of the close-out survey on the Hot Lab and Camera Room, was to release these rooms for unrestricted use after all equipment was moved to new location for the Nuclear Medicine Department. Survey results will be submitted to you for approval to release these areas for unrestricted use.

Close-Out Survey:

Michael Deurloo, RT(N), CNMT, Chief Technologist Nuclear Medicine Department, performed close-out survey on Nov. 22, 1996.

The area radiation survey was performed with a Bicron Surveyor 2000 survey instrument, (serial #A374B), With SW GM probe (serial #A334B). The most recent calibration of this instrument was on May 21, 1996. The operational check on Nov. 22, 1999, confirmed that this instrument was operating properly. Survey locations are listed on attached printouts. Each room and items in the room was surveyed thoroughly. The objective was to identify exposure rates above background radiation levels.

Background radiation exposure rate using above mentioned survey meter was 0.02mR/hr. The results of the exposure rate survey conducted noted all areas to be at 0.02mR/hr, and therefore, not distinguishable from background radiation levels.

The wipe test samples were taken in a grid pattern in all areas as shown on the attached facility sketch of the Hot Lab and Camera Room.

The wipe samples were measured in an Atomic Products Medicial Spectrometer, Model #187-290. Each sample was analyzed for gamma activity. The gamma analysis for a range of 20 to 200keV.

John Schon  
Administrator/CEO

1721 S. Stephenson  
Iron Mountain  
Michigan  
49801

Phone  
906/774-1313

*Continuation of 301668*  
**FEE NOT REQUIRED**

Pm: 12-6-96

Bringing You To A Healthier Future

RECEIVED

DEC 09 1996

REGION III

302116

DEC 01 1996

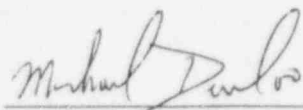
**DCH**  
**SYSTEM**  
DICKINSON  
COUNTY  
HEALTHCARE  
SYSTEM

An area of approximately 100 square centimeters was wiped for each sample. An action level of 200dpm/100cm<sup>2</sup>, was used to identify any areas requiring decontamination.

The attached printouts show the analysis for gamma emitting radioisotopes and confirms that all sample results are below 200dpm/100cm<sup>2</sup> wiped.

Conclusion:

This report shows a thorough radiation survey was performed and no fixed or removable contamination was found.



Michael Deurloo

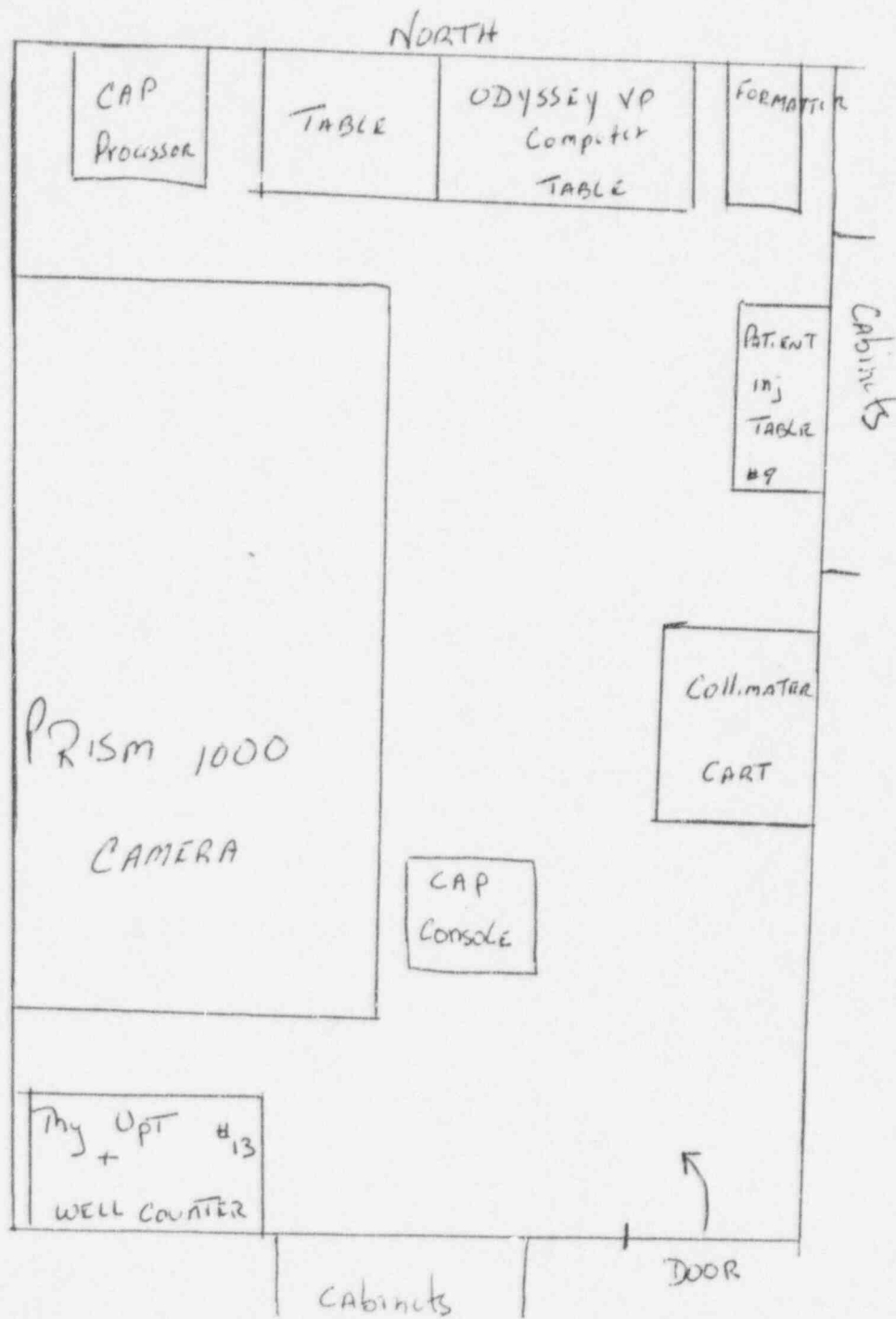
  
Dale Shampo, MD RSO

John Schon  
Administrator/CEO

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906/774-1313

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IMAGING ROOM



# CAMERA ROOM FLOOR

NORTH

18'

70	69	68	67	66
65	64	63	62	61
60	59	58	57	56
55	54	53	52	51
50	49	48	47	46
45	44	43	42	41
40	39	38	37	36

SOUTH

14'

Door

# CAMERA ROOM WALLS

## SOUTH WALL

1	2	3
4	5	6

← 14' →

↑  
6'  
↓

## WEST WALL

8	9	10	11	12	13
14	15	16	<del>17</del> 17	<del>18</del> 18	19

← 18' →

↑  
6'  
↓

## NORTH WALL

18	19	20	21
22	23	24	25

← 14' →

↑  
6'  
↓

## EAST WALL

26	27	28	31
32	33	34	35

← 18' →

↑  
6'  
↓

Cabinet on South wall - #7  
Cabinets on East wall - #29, #30



# CAMERA ROOM

LOCATION	#	Mr/hr	Ncpn	ACTION Level
SOUTH WALL	1	0.02	0	32
" "	2	0.02	0	"
" "	3	0.02	2	"
" "	4	0.02	0	"
" "	5	0.02	0	"
" "	6	0.02	4	"
SOUTH WALL Cabinets	7	0.02	1	"
WEST WALL	8	0.02	6	"
" "	9	0.02	0	"
" "	10	0.02	19	"
" "	11	0.02	0	"
" "	12	0.02	0	"
" "	13	0.02	7	"
" "	14	0.02	2	"
" "	15	0.02	1	"
" "	16	0.02	19	"
" "	17	0.02	0	"
NORTH WALL	18	0.02	2	"
NORTH WALL	19	0.02	5	"
" "	20	0.02	7	"
" "	21	0.02	13	"
" "	22	0.02	15	"
" "	23	0.02	4	"
" "	24	0.02	0	"
" "	25	0.02	0	"
EAST WALL	26	0.02	8	"
" "	27	0.02	13	"
" "	28	0.02	8	"

# CAMERA ROOM

LOCATION	#	air/hr	NCpm	ACTION LEVEL
EAST WALL	31	0.02	2	32
" "	32	0.02	19	"
" "	33	0.02	1	"
" "	34	0.02	0	"
" "	35	0.02	7	"
CABINETS ON	29	0.02	8	"
EAST WALL	30	0.02	1	"
FLOOR	36	0.02	6	"
"	37	0.02	13	"
"	38	0.02	11	"
"	39	0.02	7	"
"	40	0.02	<del>12</del> 7	"
"	41	0.02	6 12	"
"	42	0.02	8 6	"
"	43	0.02	<del>12</del> 8	"
"	44	0.02	<del>12</del> 0	"
"	45	0.02	<del>12</del> 6	"
"	46	0.02	<del>12</del> 12	"
"	47	0.02	<del>12</del> 4	"
"	48	0.02	<del>12</del> 13	"
"	49	0.02	<del>24</del> 16	"
"	50	0.02	24	"
"	51	0.02	18	"
"	52	0.02	15	"
"	53	0.02	15	"
"	54	0.02	0	"
"	55	0.02	0	"
"	56	0.02	7	"

# Camera Room

LOCATION	#	Mr/hr	NCPM	ACTION LEVEL
Floor	57	0.02	6	32
"	58	0.02	0	"
"	59	0.02	3	"
"	60	0.02	3	"
"	61	0.02	0	"
"	62	0.02	0	"
"	63	0.02	10	"
"	64	0.02	5	"
"	65	0.02	0	"
"	66	0.02	6	"
"	67	0.02	15	"
"	68	0.02	14	"
"	69	0.02	0	"
"	70	0.02	2	"
NORTH <sup>th</sup> WALL	71	0.02	0	"
DOOR INSIDE	72	0.02	0	"
"	73	0.02	0	"
DOOR OUTSIDE	74	0.02	14	"
"	75	0.02	17	"

Background

0.02

73

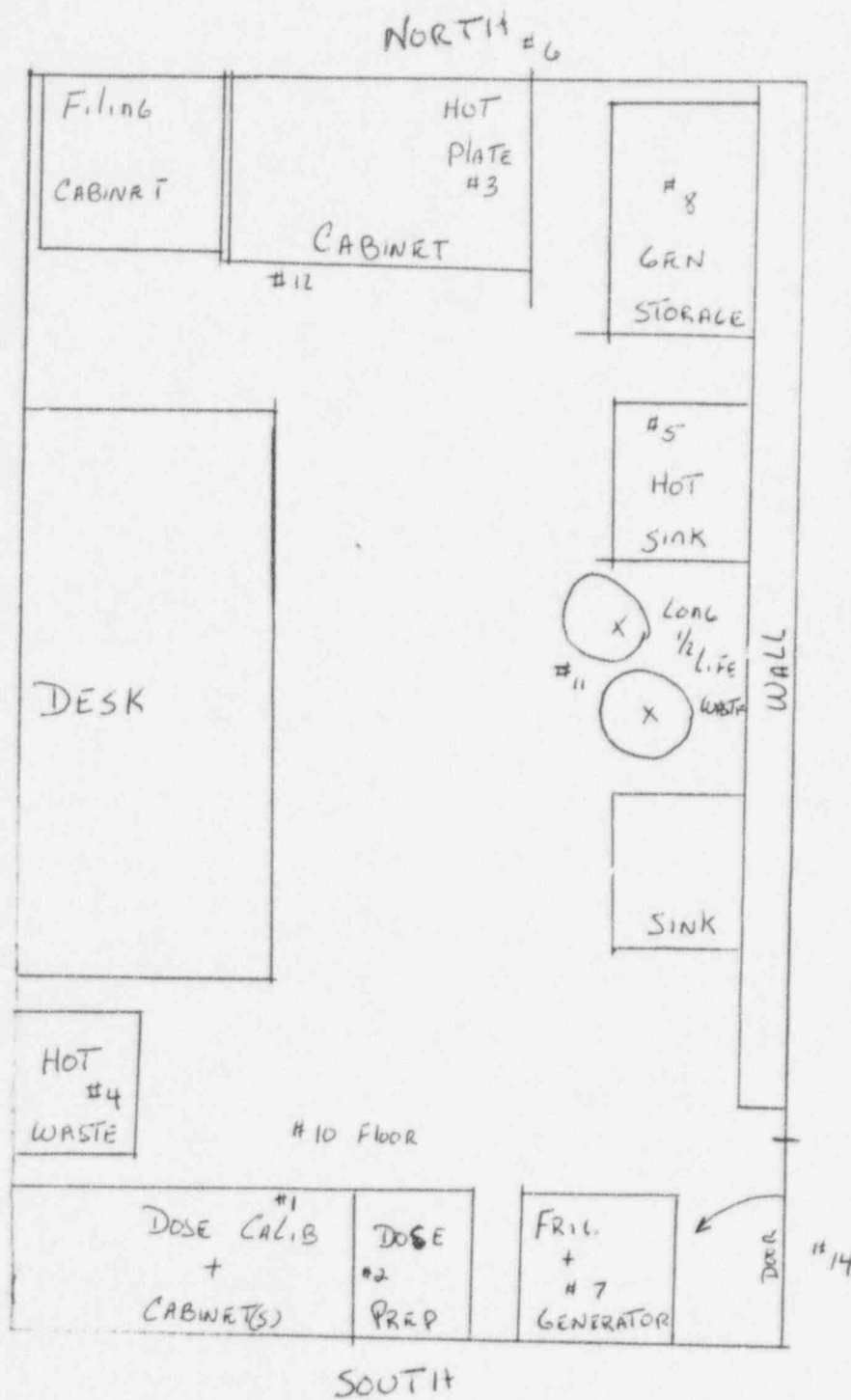
Survey METER & BICRON Surveyor  
2000

ACTION LEVEL = 200 dpm ~~X~~ DECT. EFF

OP chuck. 3.4mr/hr

DECT EFF = 15.4%

TECH: Michael Develoo  
11/22/96



"HOT"  
LAB

#9, #13 in IMAGING Rm

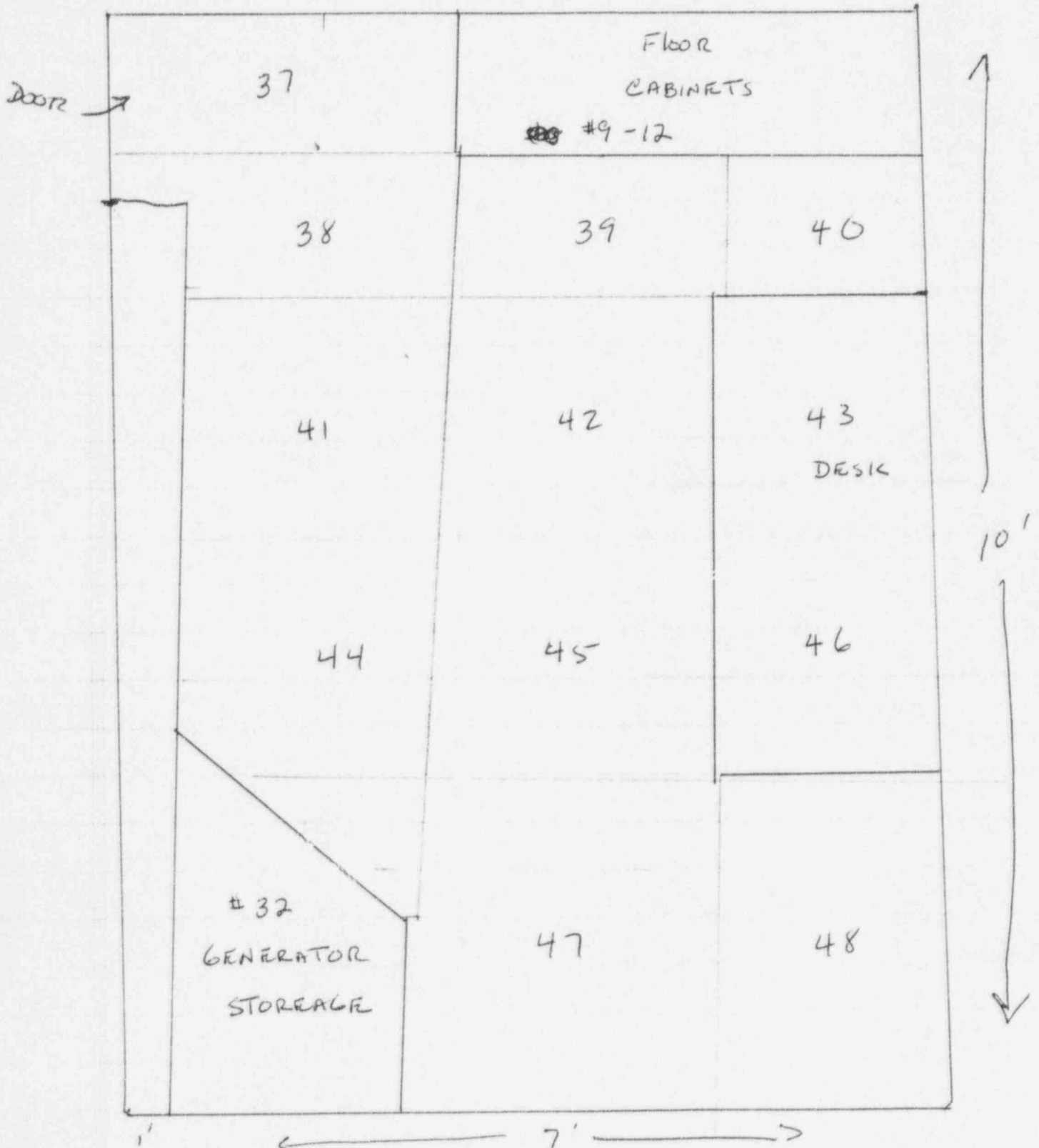
#15. IS TLD01 STRESS Rms

### PERSONNEL SURVEYS

- ① Tech's HANDS, clothing
- ② DOSE Prep
- ③ Generator
- ④ TLD01 STRESS Rms.
- ⑤ PT INJECTION AREA

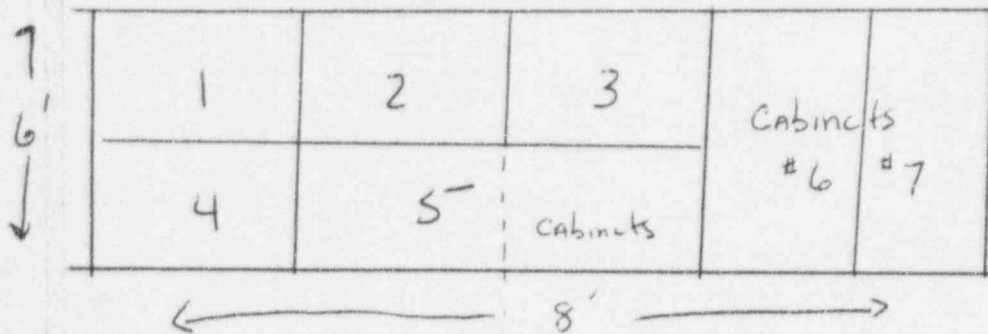
# HOT LAB FLOOR

SOUTH

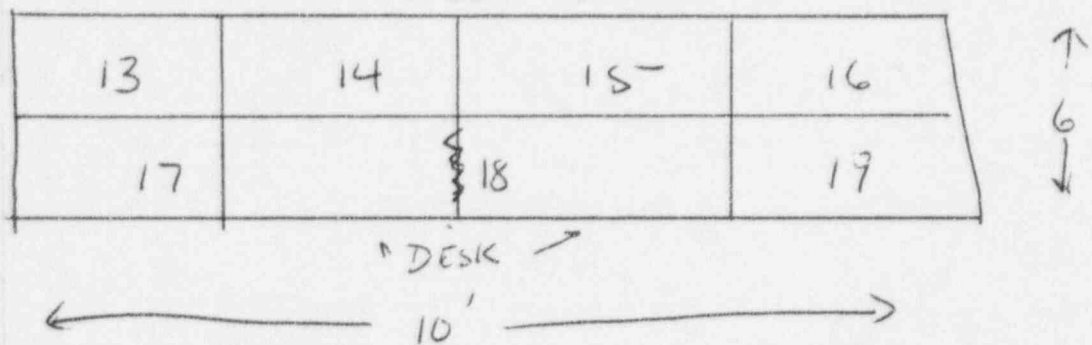


# HOT LAB

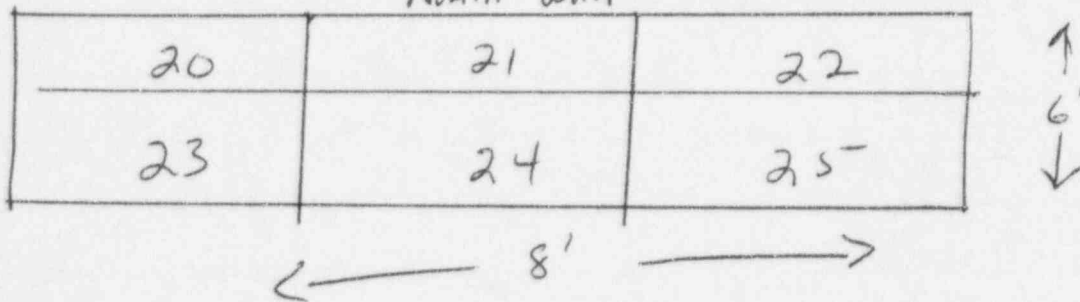
SOUTH WALL



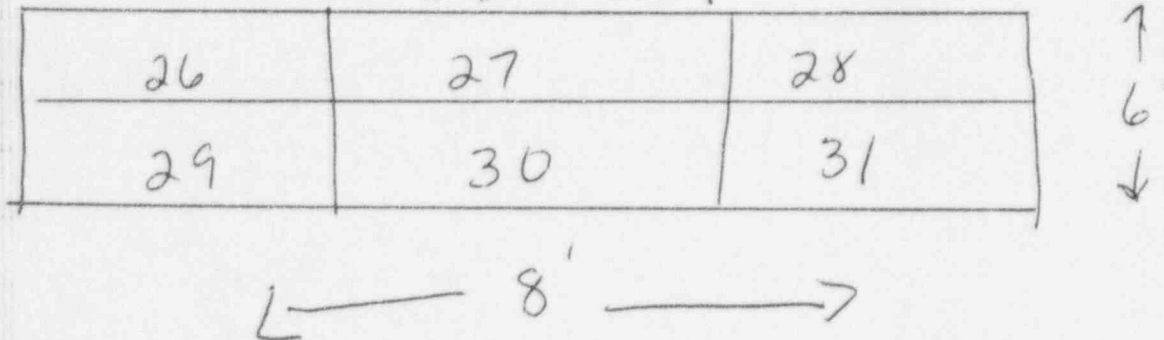
WEST WALL



NORTH WALL



EAST WALL



## CLOSE-OUT SURVEY

HOT LAB

LOCATION	#	Mr/hr	Ncpm	ACTION LEVEL
SOUTH WALL	1	0.02	15	32
" "	2	0.02	7	"
" "	3	0.02	9	"
" "	4	0.02	9	"
" "	5	0.02	15	"
" "	8	0.02	15	"
Floor Cabinets	9	0.02	29	"
" "	10	0.02	0	"
" "	11	0.02	8	"
" "	12	0.02	4	"
Cabinets on	6	0.02	3	"
South wall	7	0.02	14	"
WEST WALL	13	0.02	7	"
" "	14	0.02	9	"
" "	15	0.02	15	"
" "	16	0.02	6	"
" "	17	0.02	6	"
" "	18	0.02	8	"
" "	19	0.02	14	"
NORTH WALL	20	0.02	9	"
" "	21	0.02	20	"
" "	22	0.02	14	"
" "	23	0.02	0	"
" "	24	0.02	23	"
" "	25	0.02	9	"



## HOT LAB

LOCATION	#	Mr/hr	NCpm	ACTION LEVEL
EAST WALL	26	0.02	7	32
" "	27	0.02	19	"
" "	28	0.02	0	"
" "	29	0.02	1	"
" "	30	0.02	14	"
" "	31	0.02	9	"
GENERATOR STORE	32	0.02	0	"
HOT SINK	33	0.02	20	"
COLD SINK	34	0.02	12	"
DESK	35	0.02	11	"
"	36	0.02	25	"
FLOOR	37	0.02	25	"
"	38	0.02	7	"
"	39	0.02	11	"
"	40	0.02	32	"
"	41	0.02	13	"
"	42	0.02	7	"
"	43	0.02	14	"
"	44	0.02	21	"
"	45	0.02	7	"
"	46	0.02	22	"
"	47	0.02	12	"
"	48	0.02	13	"
DOOR INSIDE	49	0.02	4	"
" "	50	0.02	1	"
DOOR OUTSIDE	51	0.02	0	"
" "	52	0.02	12	"
BK9		0.02	63	

OVER →

EFF - 15.4 %  
ACTION - 200 dpm

SURVEY METER - BICRON SURVEYOR 2000

Op check - 3.4 mV/hr

ACTION LEVEL - 200 dPM X EFF

TECH - Michael Daniels

EFF = 15.9%

MAR 25 1997

Dale Shampo, M.D.  
Radiation Safety Officer  
Dickinson County, Memorial Hospital  
1721 South Stephenson  
Iron Mountain, MI 49801

Dear Dr. Shampo:

Enclosed is Amendment No. 12 to your NRC Material License No. 21-18889-01 in accordance with your request.

Please review the enclosed document carefully and be sure that you understand all conditions. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region III office at (630) 829-9887 so that we can provide appropriate corrections and answers.

Please be advised that your license expires at the end of the day, in the month, and year stated in the license. Unless your license has been terminated, you must conduct your program involving byproduct materials in accordance with the conditions of your NRC license, representations made in your license application, and NRC regulations. In particular, note that you must:

1. Operate in accordance with NRC regulations 10 CFR Part 19, "Notices, Instructions and Reports to Workers; Inspections," 10 CFR Part 20, "Standards for Protection Against Radiation," and other applicable regulations.
2. Notify NRC, in writing, within 30 days:
  - a. When an authorized user or Radiation Safety Officer permanently discontinues performance of duties under the license or has a name change; or
  - b. When the licensee's mailing address changes (no fee is required if the location of byproduct material remains the same).
3. In accordance with 10 CFR 30.36(b) and/or license condition, notify NRC, promptly, in writing, and request termination of the license when you decide to terminate all activities involving materials authorized under the license.
4. Request and obtain a license amendment before you:
  - a. Receive or use byproduct material for a clinical procedure permitted under Part 35 but not permitted by your license issued pursuant to this Part;
  - b. Permit anyone, except individuals described in 10 CFR 35.13(b), to work as an authorized user under the license;

302116

- c. Change Radiation Safety Officers;
  - d. Order byproduct material in excess of the amount, or radionuclide, or form different than authorized on the license;
  - e. Add or change the areas of use or address or addresses of use identified in the license application or on the license; or
  - f. Change ownership of your organization.
5. Submit a complete renewal application with proper fee or termination request at least 30 days before the expiration date of your license. You will receive a reminder notice approximately 90 days before the expiration date. Possession of byproduct material after your license expires is a violation of NRC regulations. A license will not normally be renewed, except on a case-by-case basis, in instances where licensed material has never been possessed or used.

In addition, please note that NRC Form 313 requires the applicant, by his/her signature, to verify that the applicant understands that all statements contained in the application are true and correct to the best of the applicant's knowledge. The signatory for the application should be the licensee or certifying official rather than a consultant.

You will be periodically inspected by NRC. Failure to conduct your program in accordance with NRC regulations, license conditions, and representations made in your license application and supplemental correspondence with NRC will result in enforcement action against you. This could include issuance of a notice of violation, or imposition of a civil penalty, or an order suspending, modifying or revoking your license as specified in the General Policy and Procedures for NRC Enforcement Actions. Since serious consequences to employees and the public can result from failure to comply with NRC requirements, prompt and vigorous enforcement action will be taken when dealing with licensees who do not achieve the necessary meticulous attention to detail and the high standard of compliance which NRC expects of its licensees.

Sincerely,  
Original Signed By  
Gidget Watson  
Nuclear Materials Licensing Branch

License No.: 21-18889-01  
Docket No.: 030-17318

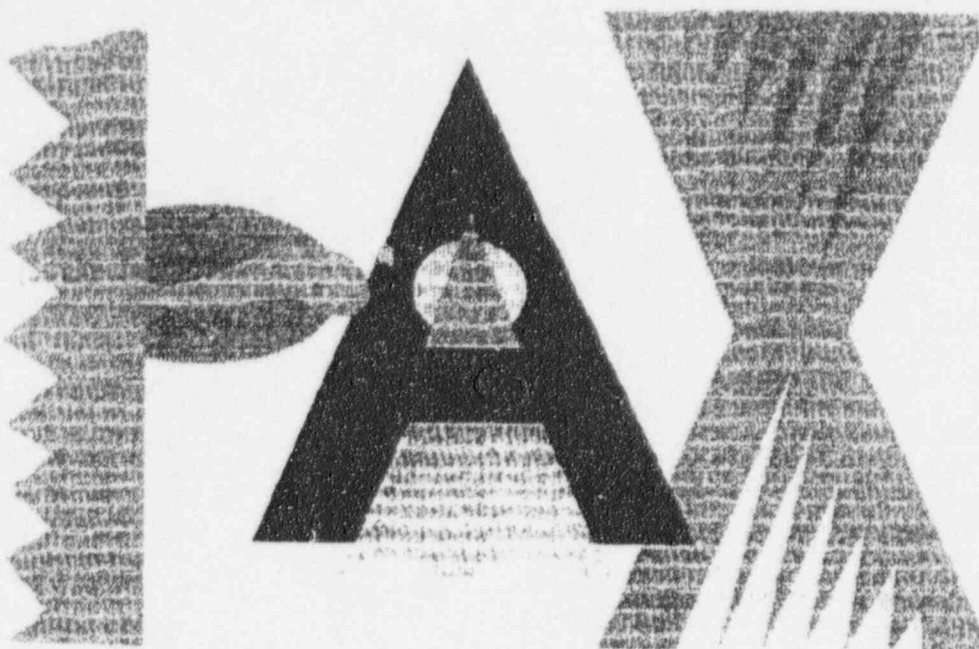
Enclosure: Amendment No. 12

DOCUMENT NAME: M:\03017318.CL7

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	DNMS/RIII								
NAME	GWATSON:jaw								
DATE	03/18/97 GAW								

OFFICIAL RECORD COPY



**To:** GIDGET WATSON - NAL Reg III

**From:** Dickinson County Hospitals X-ray Department Iron Mountain, MI 49801  
Confirmation # ~~779-4500~~ Fax # ~~779-4523~~ 5  
906 776-5561 906 776-5523

**DATE:** 12/4/96

**FAX #:** (630) 515-1259

**TOTAL PAGES INCLUDING COVER:** 15

**CONTACT:** MIKE DEURLOO

**COMMENTS:** Copy of Close-out SURVY  
Camera Run / HOT LAB - originals in mail

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED  
INTENDED FOR THE USE OF THE ADDRESSEE ONLY. IF RESPONSIBLE FOR  
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ACTION ON THE CONTENT OF THIS TELEFAXED INFORMATION IS STRICTLY  
PROHIBITED.



To: Gidget Watson  
 Nuclear Materials Licensing Branch  
 U.S. Nuclear Regulatory Commission  
 Region III  
 801 Warrenville Road  
 Lisle, Illinois

Re: Close-out Survey of Old Nuclear Medicine Department  
 Camera Room and Hot Lab

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The wipe samples were measured in an Atomic Products Medical Spectrometer, Model #187-290. Each sample was analyzed for gamma activity. The gamma analysis for a range of 20 to 200keV.

John Schon  
 Administrator/CEO

1721 S. Stephenson  
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Phone  
 906/774-1313

*Bringing You To A Healthier Future*

**DCH  
SYSTEM****DICKINSON  
COUNTY  
HEALTHCARE  
SYSTEM**

An area of approximately 100 square centimeters was wiped for each sample. An action level of 200dpm/100cm<sup>2</sup>, was used to identify any areas requiring decontamination.

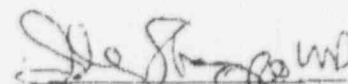
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Conclusion:

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Michael Deurloo



Dale Shampo, MD RSO

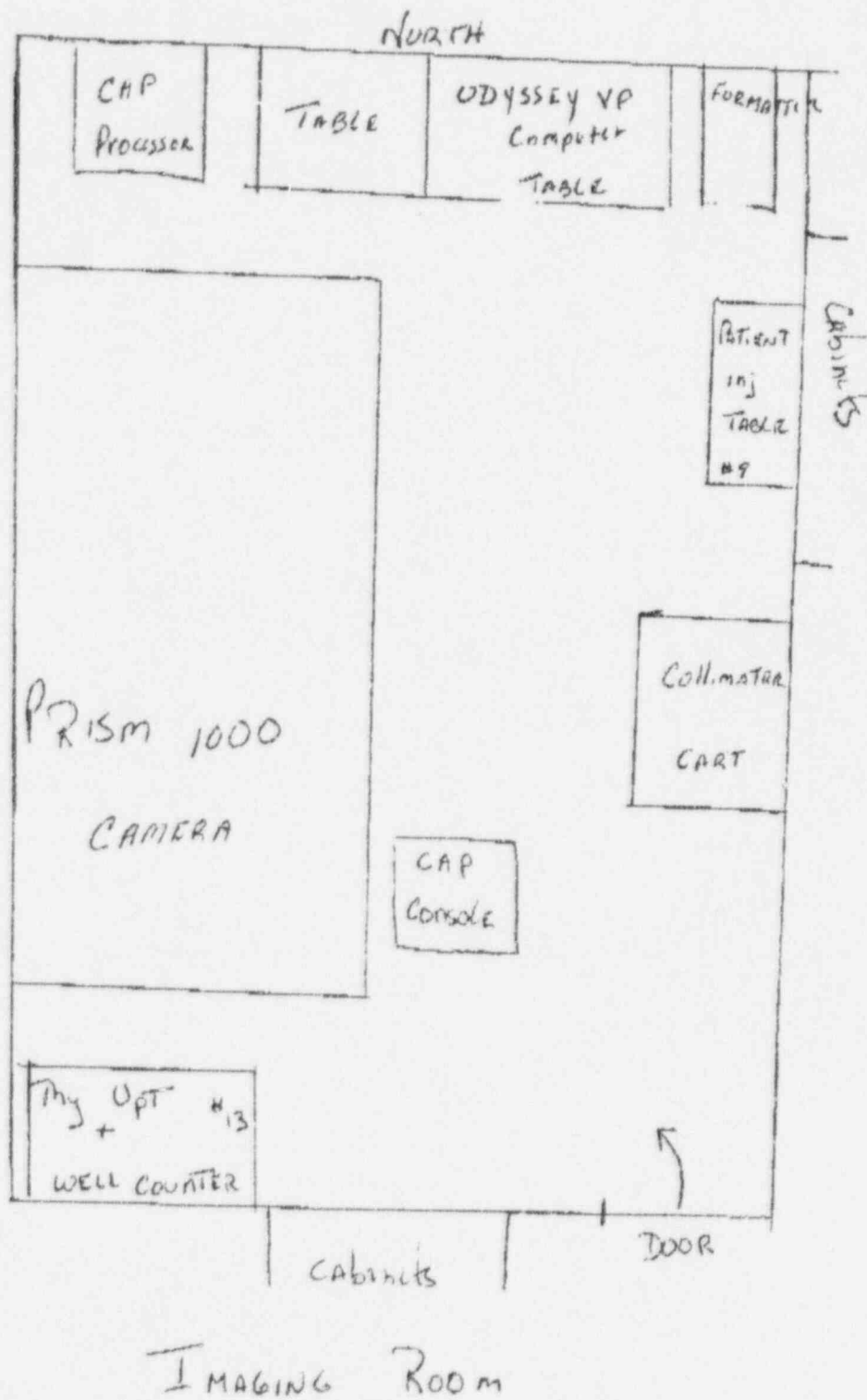
John Schon  
Administrator/CEO

1721 S. Stephenson  
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Michigan  
49801

Phone  
906/774-1313

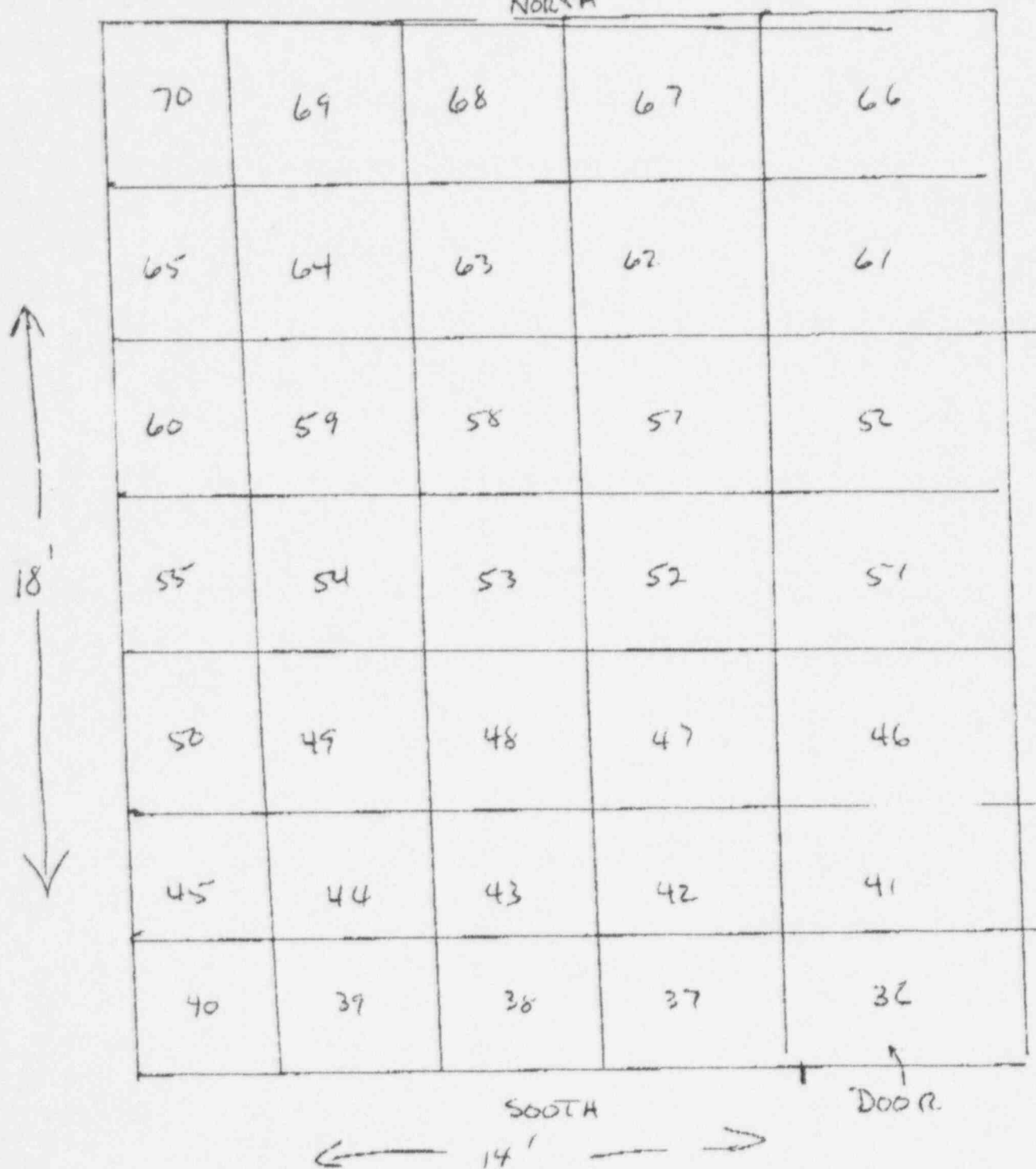
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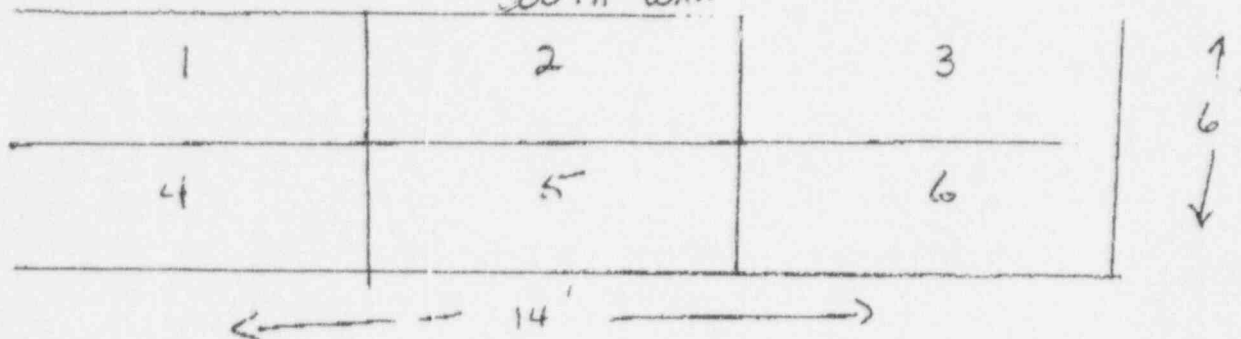
## CAMERA ROOM Floor

NORTH

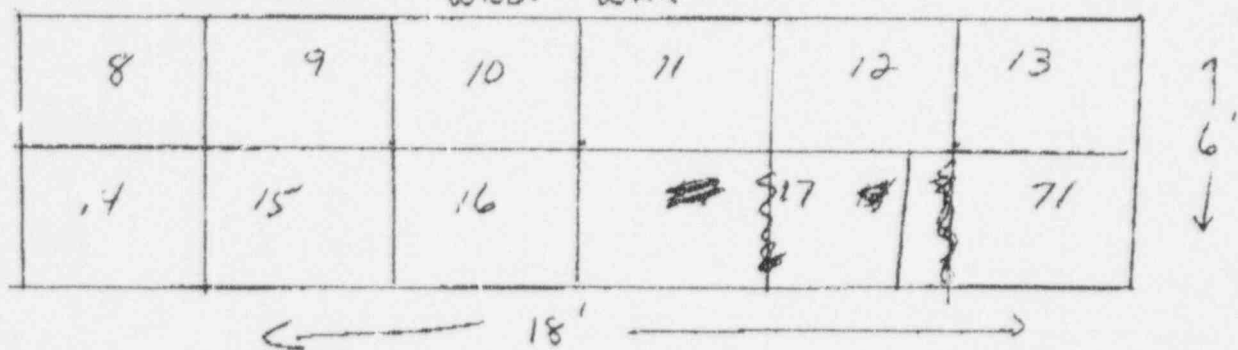


## CAMERA ROOM WALLS

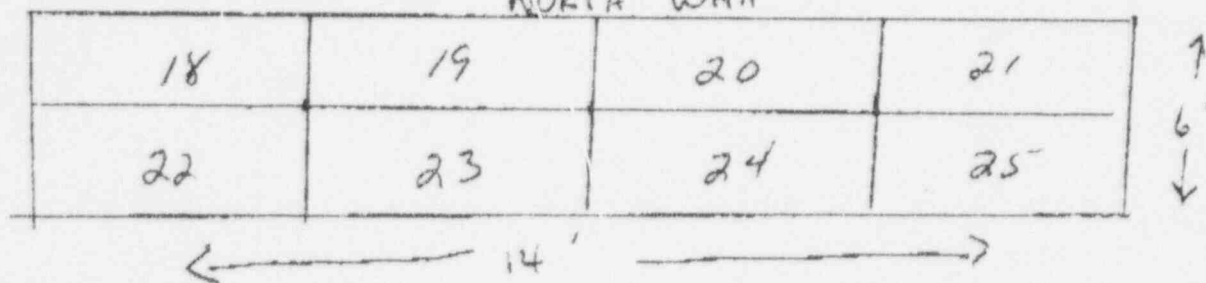
SOUTH WALL



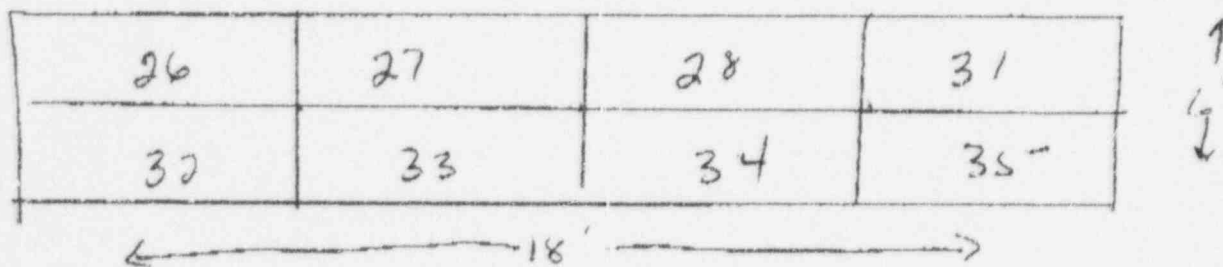
WEST WALL



NORTH WALL



EAST WALL



CABINET ON SOUTH WALL - #7

Cabinets ON EAST WALL - #29, #30

## Camera Room

LOCATION	#	Mr/hr	Ncpn	ACTION Level
SOUTH WALL	1	0.02	0	32
" "	2	0.02	0	"
" "	3	0.02	2	"
" "	4	0.02	0	"
" "	5	0.02	0	"
" "	6	0.02	4	"
SOUTH WALL Cabinets	7	0.02	1	"
WEST WALL	8	0.02	6	"
" "	9	0.02	0	"
" "	10	0.02	19	"
" "	11	0.02	0	"
" "	12	0.02	0	"
" "	13	0.02	7	"
" "	14	0.02	2	"
" "	15	0.02	1	"
" "	16	0.02	19	"
" "	17	0.02	0	"
NORTH WALL	18	0.02	2	"
NORTH WALL	19	0.02	5	"
" "	20	0.02	7	"
" "	21	0.02	13	"
" "	22	0.02	15	"
" "	23	0.02	4	"
" "	24	0.02	0	"
" "	25	0.02	0	"
EAST WALL	26	0.02	8	"
" "	27	0.02	13	"
" "	28	0.02	8	"

## Camera Room

LOCATION	#	mr/hr	NLpm	ACTION LEVEL
EAST WALL	31	0.02	2	32
" "	32	0.02	19	"
" "	33	0.02	1	"
" "	34	0.02	0	"
" "	35	0.02	7	"
CABINETS ON	29	0.02	8	"
EAST WALL	30	0.02	1	"
FLOOR	36	0.02	6	"
"	37	0.02	13	"
"	38	0.02	11	"
"	39	0.02	7	"
"	40	0.02	<del>6</del> 7	"
"	41	0.02	6 12	"
"	42	0.02	8 6	"
"	43	0.02	<del>8</del> 8	"
"	44	0.02	<del>2</del> 0	"
"	45	0.02	<del>4</del> 6	"
"	46	0.02	<del>4</del> 12	"
"	47	0.02	<del>4</del> 4	"
"	48	0.02	<del>10</del> 13	"
"	49	0.02	<del>24</del> 16	"
"	50	0.02	24	"
"	51	0.02	18	"
"	52	0.02	15	"
"	53	0.02	15	"
"	54	0.02	0	"
"	55	0.02	0	"
"	56	0.02	7	"

## Camera Room

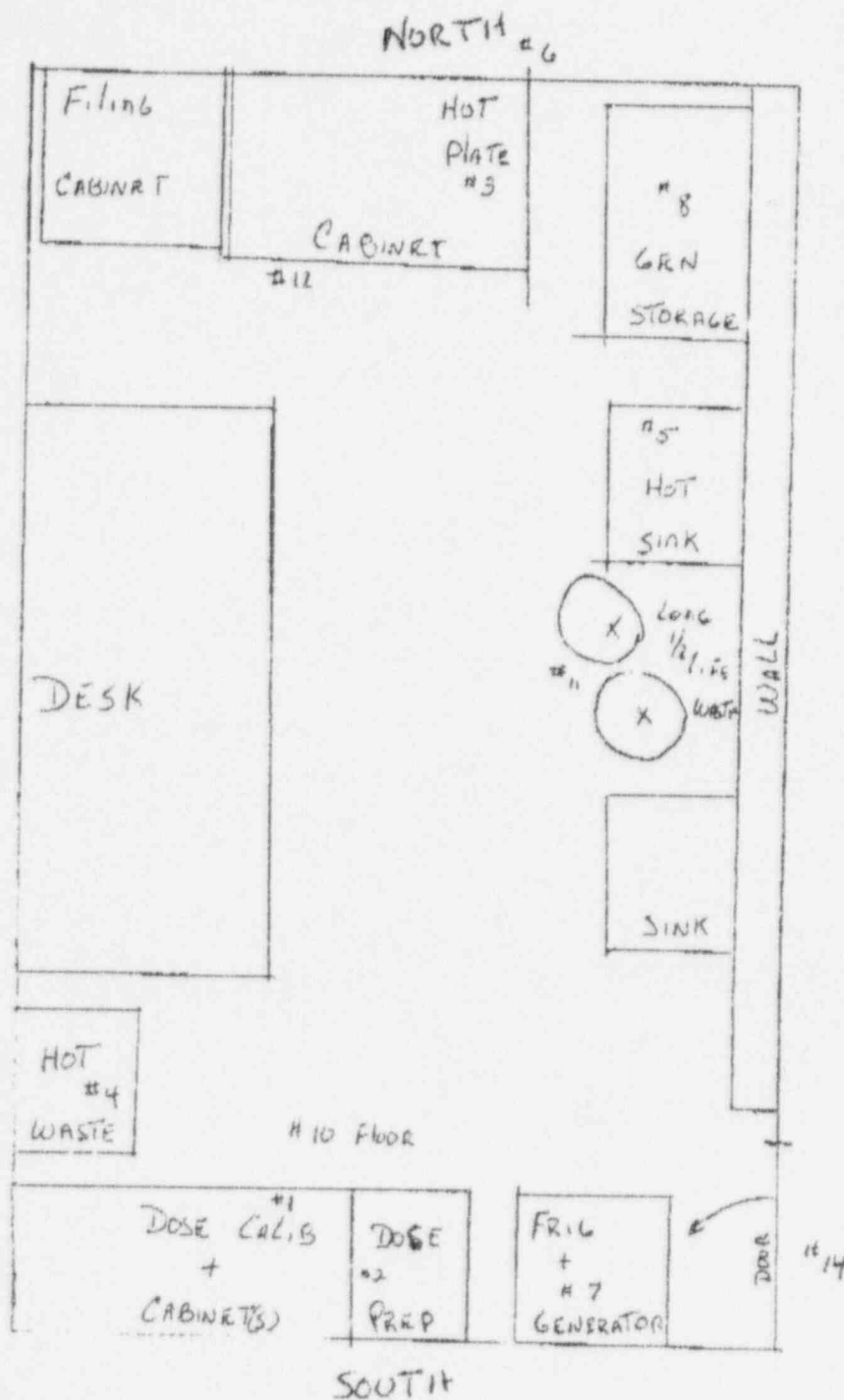
LOCATION	#	Mr/hr	NCPM	ACTION LEVEL
FLOOR	57	0.02	6	32
"	58	0.02	0	"
"	59	0.02	3	"
"	60	0.02	3	"
"	61	0.02	0	"
"	62	0.02	0	"
"	63	0.02	16	"
"	64	0.02	5	"
"	65	0.02	0	"
"	66	0.02	6	"
"	67	0.02	15	"
"	68	0.02	14	"
"	69	0.02	0	"
"	70	0.02	2	"
NORTH <sup>th</sup> WALL	71	0.02	0	"
DOOR INSIDE	72	0.02	0	"
"	73	0.02	0	"
DOOR OUTSIDE	74	0.02	14	"
"	75	0.02	17	"
Background		0.02	73	

Survey METER & BICROW Surveyor ACTION LEVEL = 200 dpm ~~DECT. EFF~~

OP check. 3.4 mR/hr

DECT EFF = 15.4%

Tech: Michael DEVLIN  
11/22/96



#9, #13 in imaging Rm

#15. is TL201 STRESS Rms.

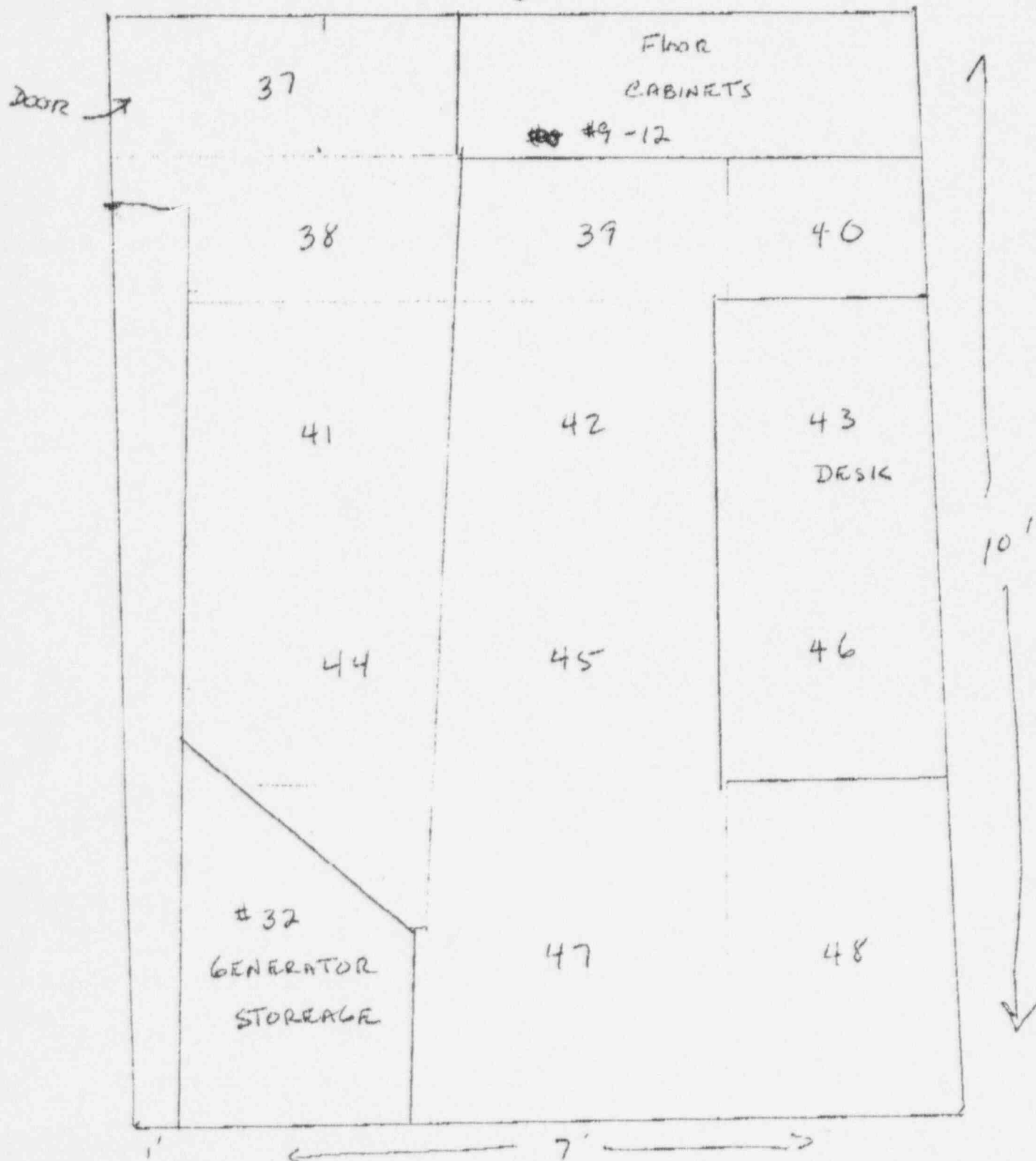
### PERSONNEL SURVEYS

- ① Telis. hands, clothing
- ② DOSE PREP
- ③ GENERATOR
- ④ TL201 STRESS Rms
- ⑤ PL INJECTION AREA



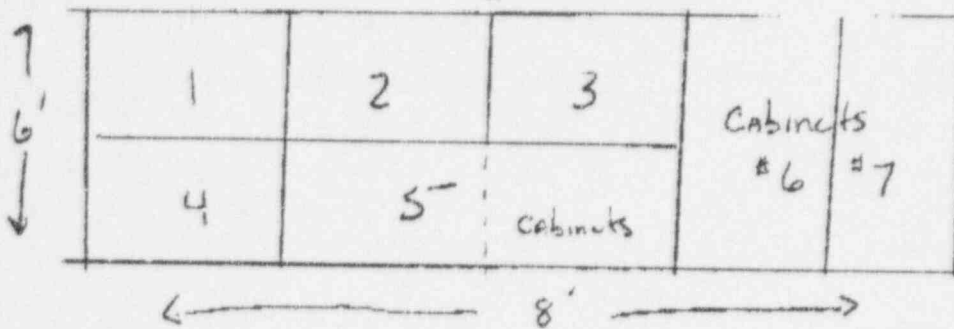
# HOT LAB FLOOR

SOUTH

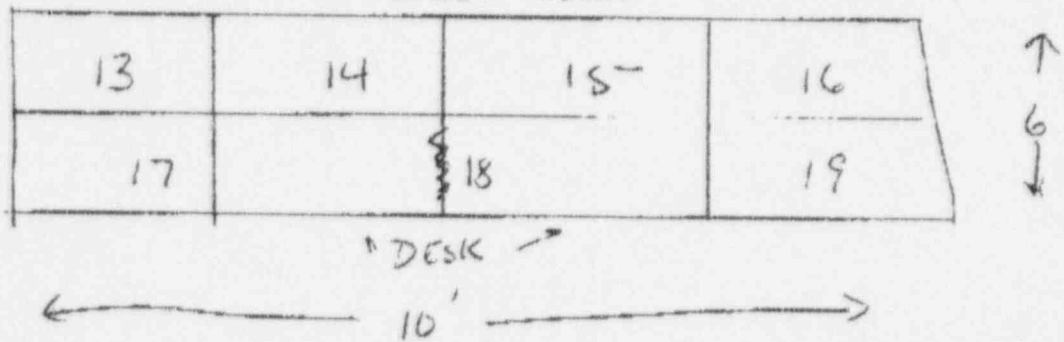


## HOT LAB

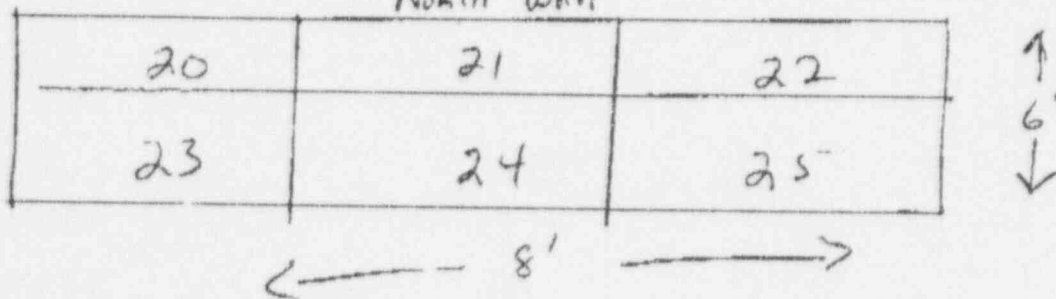
South Wall



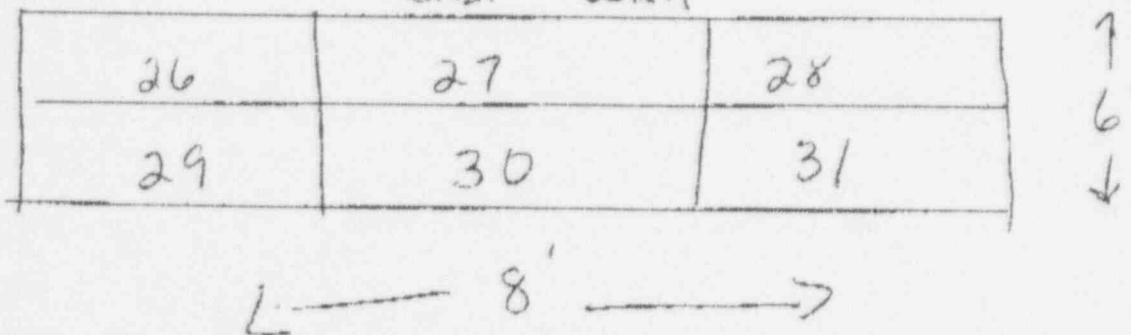
WEST WALL



NORTH WALL



EAST WALL



# Close-OUT Survey HOT LAB

LOCATION	#	Mr/hr	NLPM	ACTION LEVEL
SOUTH WALL	1	0.02	15	32
" "	2	0.02	7	"
" "	3	0.02	9	"
" "	4	0.02	9	"
" "	5	0.02	15	"
" "	8	0.02	15	"
Floor Cabinets	9	0.02	29	"
" "	10	0.02	0	"
" "	11	0.02	8	"
" "	12	0.02	4	"
Cabinets on	6	0.02	3	"
South Wall	7	0.02	14	"
WEST WALL	13	0.02	7	"
" "	14	0.02	9	"
" "	15	0.02	15	"
" "	16	0.02	6	"
" "	17	0.02	6	"
" "	18	0.02	8	"
" "	19	0.02	14	"
NORTH WALL	20	0.02	9	"
" "	21	0.02	20	"
" "	22	0.02	14	"
" "	23	0.02	0	"
" "	24	0.02	23	"
" "	25	0.02	9	"

## HOT LAB

LOCATION	#	Mr/hr	Ncpm	ACTION LEVEL
EMT Wall	26	0.02	7	32
" "	27	0.02	19	"
" "	28	0.02	0	"
" "	29	0.02	1	"
" "	30	0.02	14	"
" "	31	0.02	9	"
GENERATOR STORE	32	0.02	0	"
HOT SINK	33	0.02	20	"
COLD SINK	34	0.02	12	"
DESK	35	0.02	11	"
"	36	0.02	25	"
FLOOR	37	0.02	25	"
"	38	0.02	7	"
"	39	0.02	11	"
"	40	0.02	32	"
"	41	0.02	13	"
"	42	0.02	7	"
"	43	0.02	14	"
"	44	0.02	21	"
"	45	0.02	7	"
"	46	0.02	22	"
"	47	0.02	12	"
"	48	0.02	13	"
Door INSIDE	49	0.02	4	"
" "	50	0.02	1	"
Door OUTSIDE	51	0.02	0	"
" "	52	0.02	12	"
BK9		0.02	63	

over -&gt;

EFF. 15.9 %  
ACTION - 200 dpm

SURVEY MATER - BICRON SURVEYOR 2000

Op check - 3.4 mV/hr

ACTION Level - 200dpm X EFF

TRCH. Michael Dando

EFF - 15.9%



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

REGION III  
801 WARRENVILLE ROAD  
LISLE, ILLINOIS 60532-4351

December 16, 1996

Dale R. Shampo, M.D.  
Radiation Safety Officer  
Dickinson County Memorial Hospital  
1721 South Stephenson  
Iron Mountain, MI 49801

SUBJECT: ACKNOWLEDGEMENT OF CORRESPONDENCE  
(Letter Regarding Closeout Survey, Received 12/09/96)

Dear Licensee:

In response to your request, we have completed the initial processing, which is an administrative review of your application for a(n):

☐ New License      ☒ Amendment      ☐ Renewal  
☐ Other \_\_\_\_\_

No administrative deficiencies were identified during this initial review. However, it should be noted that a technical review may identify omissions in the submitted information.

It appears that your request is routine (see 1-3 below, as applicable).

1. New and amendment actions are normally processed within 90 days, unless we find major deficiencies, or policy issues requiring central program office assistance.
2. Renewal actions are normally processed within 180 days, however, under timely filing (before expiration), you may continue to operate under your existing license.
3. Termination actions are normally processed within 90 days, unless confirmatory surveys following decontamination/decommissioning activities are involved.

A copy of your correspondence has been forwarded to our Licensing Fee and Debt Collection Branch (301/415-6097) for approval of the fee category and amount, if required.

If you have a compelling safety or business-related reason for requesting expedited review, please contact the Materials Licensing Branch at (630) 829-9867. We will try to complete your request as soon as practicable. Any correspondence about this request should reference the control number.

Nuclear Materials Support Branch

Mail Control No. 302116  
License No. 21-18889-01