



**UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE**

Center for Coastal Fisheries and Habitat Research
101 Pivers Island Road
Beaufort, North Carolina 28516-9722

December 30, 2008

MS16

J-6

32-00426-02
0305594

2009 JAN -2 AM 10: 37

RECEIVED
REGION 1

Mr. Dennis R. Lawyer
U.S. Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Re. Control No.: 142793

Dear Mr. Lawyer:

We are responding to your email dated Tuesday, 30 December 2008, with the subject "Department of Commerce, Request for Additional Information Concerning Application for a License Amendment, Control 142793."

The Center for Coastal Fisheries and Habitat Research submits the information below in accordance with the requests of your email to facilitate your efforts to amend our Nuclear Regulatory Commission license to a "Terminated" status for license number 32-00426-02.

The following information is provided to assist your review of our request for our NRC license Termination.

1. **Request:** "Paragraph 3 of my electronic mail dated December 15, 2008 was not responded in your December 16, 2008 letter. It would appear that this was an oversight during the writing of the letter. The section called response was a restatement of the first two sentences of my question. Please provide the response."

Response: Our Facility did not maintain formal records of leak tests of sealed sources. We know of no sealed sources that leaked during the period of our licensed operations. The informal records provided in enclosure (11) of our December 15, 2008 letter were the only source of records we could find.

2. **Request:** In the letter from Glenn H. Goudy dated December 15, 2008, he states that renovations were performed prior to performing the close out surveys. This renovations included structural reconfigurations and replacement of flooring. Please submit documentation that would demonstrate that the renovations are is not masking contamination that would not meet the release criteria. It is recommended that this documentation is the surveys performed prior to commencing renovations in the area."

Response: We are providing documentation from February 28, 1988 through

142793

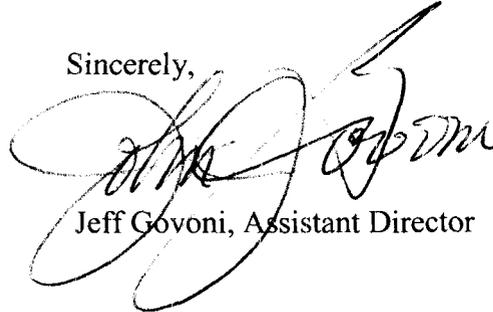
NWISS/COH WATER/11/00



September 11, 1995 that demonstrates our radioactive: contamination recognition, measurement readings, contamination abatement considerations, contamination abatement actions, and Final Survey determinations prior to renovating affected areas.

Your point of contact for additional information or clarification of this information is Joseph Bizzell, (252) 728-8718, or joseph.bizzell@noaa

Sincerely,

A handwritten signature in black ink, appearing to read "Jeff Govoni", is written over a large, stylized circular flourish.

Jeff Govoni, Assistant Director

Enclosure (1): Response to paragraph 2 for request for structural reconfigurations and replacement of flooring.



Hess → to station file
UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE

Southeast Fisheries Center
Beaufort Laboratory
Beaufort, NC 28516
February 28, 1988

U.S. Nuclear Regulatory Commission
Region II
ATTN: Mr. Earl Wright
101 Marietta Street, N.W.
Atlanta, Georgia 30323

Dear Mr. Wright:

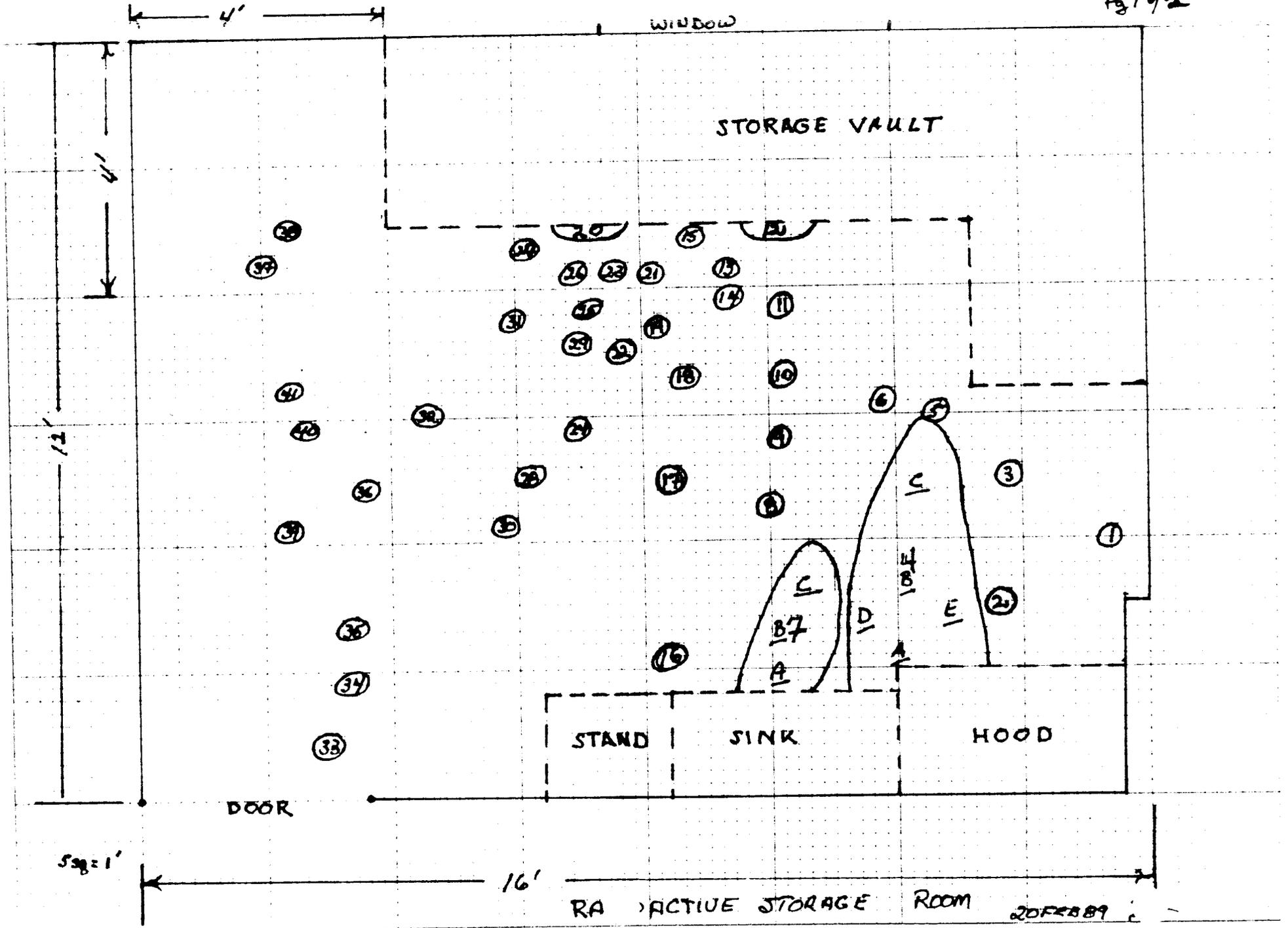
SUBJECT: DECONTAMINATION PROCEDURE (REFERENCE MAIL CONTROL NUMBER: 220449)

Enclosed is a drawing of the radioactive spots on the floor of the room where the isotope vault was previously located. Also, the readings obtained with a GSM-10 survey meter are included. As we discussed on the phone, I have secured the room and will wait until I hear from you to proceed with the decontamination procedure.

Sincerely Yours,

Linda C. Clements
Radiation Safety Officer





5/22/01

SPOT number	mrb at 1cm	mrb at 1 meter	SPOT number	mrb at 1cm	mrb at 1 meter
1	0.8	13 kg	20	0.7	0.
2	0.6	13 kg	21	14.0	0.
3	2.0	13 kg	22	0.5	0.
4 A	6.0	13 kg	23	1.3	0.
B	0.3	0.03	24	0.8	0.
C	4.0	0.03	25	4.0	0.
D	0.08	0.07	26	0.8	0.
E	0.4	0.04	27	0.3	0.
5	0.11	0.02	28	2.0	0.
6	0.4	0.04	29	1.1	0.
7 A	0.15	0.04	30	0.6	0.
B	0.3	0.05	31	1.4	0.
C	0.07	0.04	32	4.0	0.
8	0.4	0.05	33	0.5	0.
9	18.0	0.04	34	4.0	0.
10	1.0	0.03	35	1.0	0.
11	0.14	0.02	36	1.3	0.
12	0.12	0.04	37	0.1	0.
13	0.2	0.02	38	1.5	0.
14	3.0	0.02	39	6.0	0.
15	0.6	0.03	40	3.0	0.
16	2.0	0.03	41	2.0	0.
17	8.0	0.04			
18	0.3	0.03			
19	0.3	0.03			

Measurements with GSU-1
 Survey meter by Constant
 and Bowen 2/22/89



SCIENTIFIC ECOLOGY GROUP, INC.

RADIOLOGICAL ENGINEERING AND
DECOMMISSIONING SERVICES

Phone: (615) 376-8206

FAX: (615) 376-6247

August 28, 1995

U.S. Department of Commerce
National Oceanic and Atmospheric Administration
National Marine Fisheries Service
Beaufort Laboratory
101 Pivers Island Road
Beaufort, NC 28516-9722

Attention: Dr. Susan Huntsman

Subject: POST DECONTAMINATION SURVEY DATA FOR ROOM 112

Reference: P.O. No. 401 ETNF500080

Dear Dr. Huntsman:

Scientific Ecology Group, Inc. (SEG) has completed the decontamination and final survey of the floor, wall and ceiling surfaces of Room 112 at the National Marine Fisheries Service at Beaufort Laboratory. The project engineer's report is attached. The data shows the floor, wall and ceiling surfaces meet the current NRC criteria for unrestricted release. Fixed contamination above the release criteria was found in the hallway adjacent to Room 112 and in a drain line in Room 112.

This complete the authorized scope of work, except for refinishing the floor. This task will be performed by an SEG subcontractor, Willis Construction Co., at your convenience. Please call me at (615) 376-8246 if you have any questions, or if I can be of any further service.

Sincerely,

David M. Hall
Manager, Decommissioning Contract Services
Radiological Engineering and
Decommissioning Services

DMH/tko

cc: D. Neely M. Lynch (NMFS)
A. Johnson P. Jones

082895-DAT\MEM\DAVE\SIOM\0650.L

MEMORANDUM

TO: Dave Hall
FROM: Paul Jones *PJ*
DATE: August 21, 1995

SUBJECT: NATIONAL MARINE FISHERIES SERVICES PROJECT RESULTS

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The following is a review of the National Marine Fisheries Service Room 112 final survey:

SEG has completed the project within the technical approach defined in the original proposal.

A characterization survey was performed for room 112 and surrounding areas. Results of the room 112 survey showed direct survey results of <MDA to 210,000 dpm/100cm² and removable survey results of <MDA to 2,275 dpm/100cm². The surrounding area showed direct survey results of <MDA to 31,591 dpm/100cm² and removable survey results <MDA.

The remediation of the contaminated floor in room 112 was performed using vacuum shrouded scabbling equipment. Air samples taken during remediation activities showed there was no release of airborne radioactivity. One 55 gallon drum of waste was generated during the remediation (1/3 drum of scabbling dust and 2/3 of a drum of DAW). The waste was released to Susan Huntsman, RSO of the NMFS at Beaufort, NC.

Following remediation of room 112, 1 meter grids were established on the floor and walls up to 2 meters. The room was surveyed using these grids for fixed and removable surface contamination, and exposure rate measurements. Surveys were performed in accordance with DRAFT NUREG/CR-5849.

Based upon information provided by NMFS, the only nuclide present in the project remediation area was cesium-137. The following guideline values for cesium-137 were taken from, "*Guidelines for Decontamination of Facilities and Equipment Prior to Release for Unrestricted Use or Termination of Licenses for Byproduct, Source, or Special Nuclear Material*", August 1987.

Nuclides	Average	Maximum	Removable
Beta-gamma emmitters	5000 dpm $\beta\gamma$ /100 cm ²	15,000 dpm $\beta\gamma$ /100 cm ²	1000 dpm $\beta\gamma$ /100 cm ²

A direct beta reading taken at the opening of a drain pipe penetrating from the North wall of room 112 indicated activity levels in excess of 5000 dpm/100cm², (5242 dpm/100cm² max). The drain survey was performed using a shielded G-M pancake detector. Results of the smears taken on the inside of the drain showed <MDA.

With the above exception, the results of surveys performed in room 112 for both fixed and removable contamination were below the guideline values.

Gamma dose rates in room 112 were slightly elevated, (21.7 uR/hr to 28.2uR/hr) due to the ceramic tile covering the walls of the room.

Enclosure 1 Characterization Survey Data and Map.

Enclosure 2 Termination Survey Data, Room 112 Grid Map, and Room 112 Survey Graphs

National Marine Fisheries Service
Southeast Fisheries Science Center
101 Pivers Island Rd
Beaufort, NC 28516
September 7, 1995

David J. Collins
US New Clear Regulatory Commission
101 Marietta Street, NW
Atlanta, GA 30323

Dear David,

As you requested, I am enclosing a copy of the final report from SEG on the decontamination of room 112 done on August 15-18, 1995. The original report will be maintained in the Radiation Safety Officer's permanent files (currently in room 204 of the National Marine Fisheries Laboratory, Beaufort, NC.).

Regarding the contaminated drain pipe in the wall of room 112, the SEG team obtained two measurements at the end of the pipe: one was 4,839dpm, the other 5,240dpm (for an average of 5,040). Clearly, this is not statistically different than 5,000dpm. This activity is well below the acceptable maximum (15,000 dpm) for an area not exceeding 100 cm² (the cross sectional area of the pipe is about 11cm²). There was no removable activity. Given these circumstances, and the fact that, as Cs¹³⁷, even 5240dpm would decay to below 5000dpm in 2 years, I do not believe it is necessary to remove the pipe.

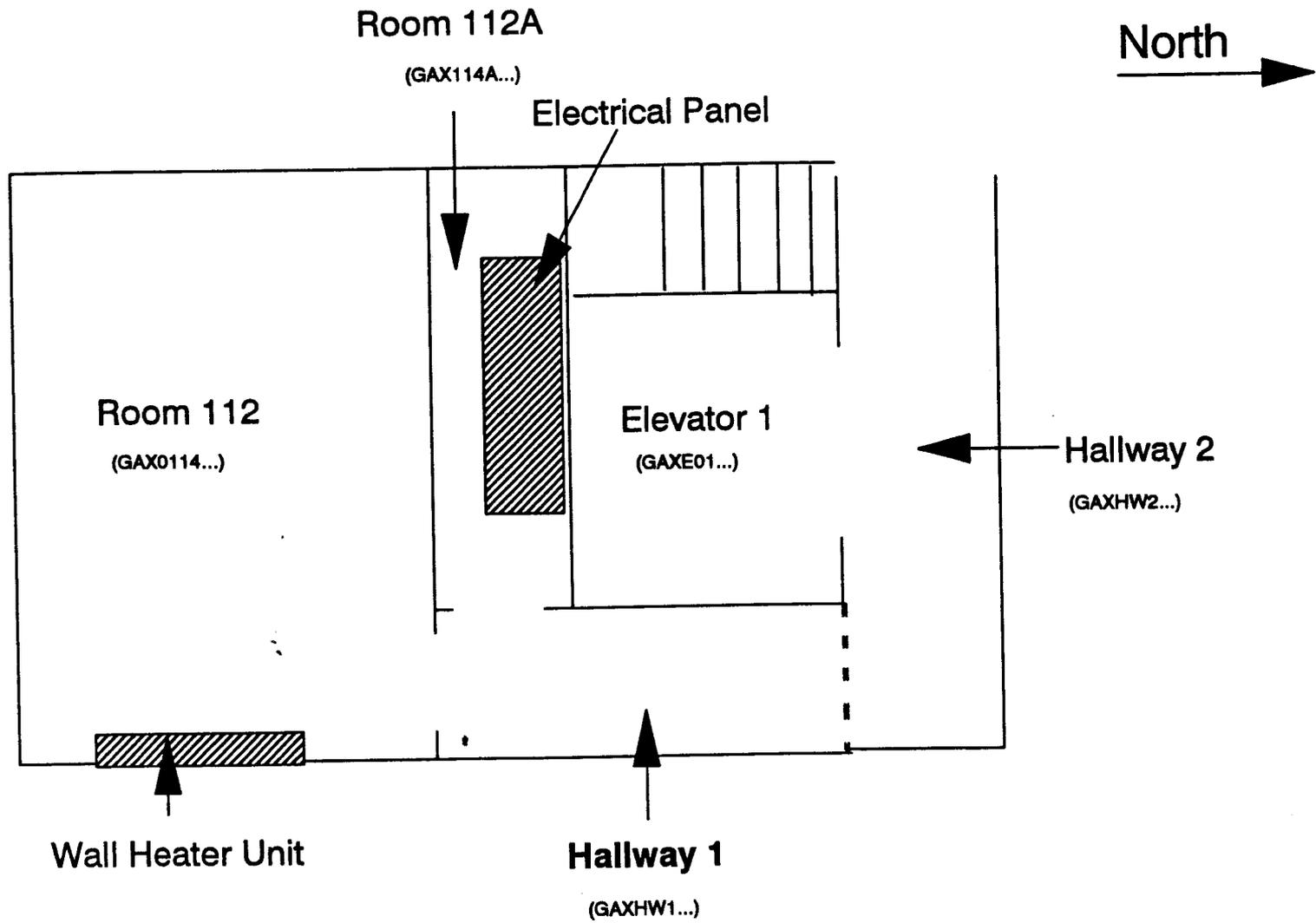
There is a small spot in the hall that gave a reading of 31,590dpm/100cm², about twice the acceptable level of unremovable contamination. This spot is less than 2 inches across, (i.e., is completely covered by the GM pancake detector), and has no removable activity. It is located just outside the door of room 112, near the wall. The SEG team said they did not have time to remove it and stay within the agreed time to complete their contract (which specified only the floor of room 112). Since this spot is in a hall that is used only for access to room 112, and furthermore, is not in a heavily trafficked portion of the floor, I'm wondering if we could allow it to remain? If not, what are the guidelines for removing it ourselves?

As usual, I appreciate your advice.

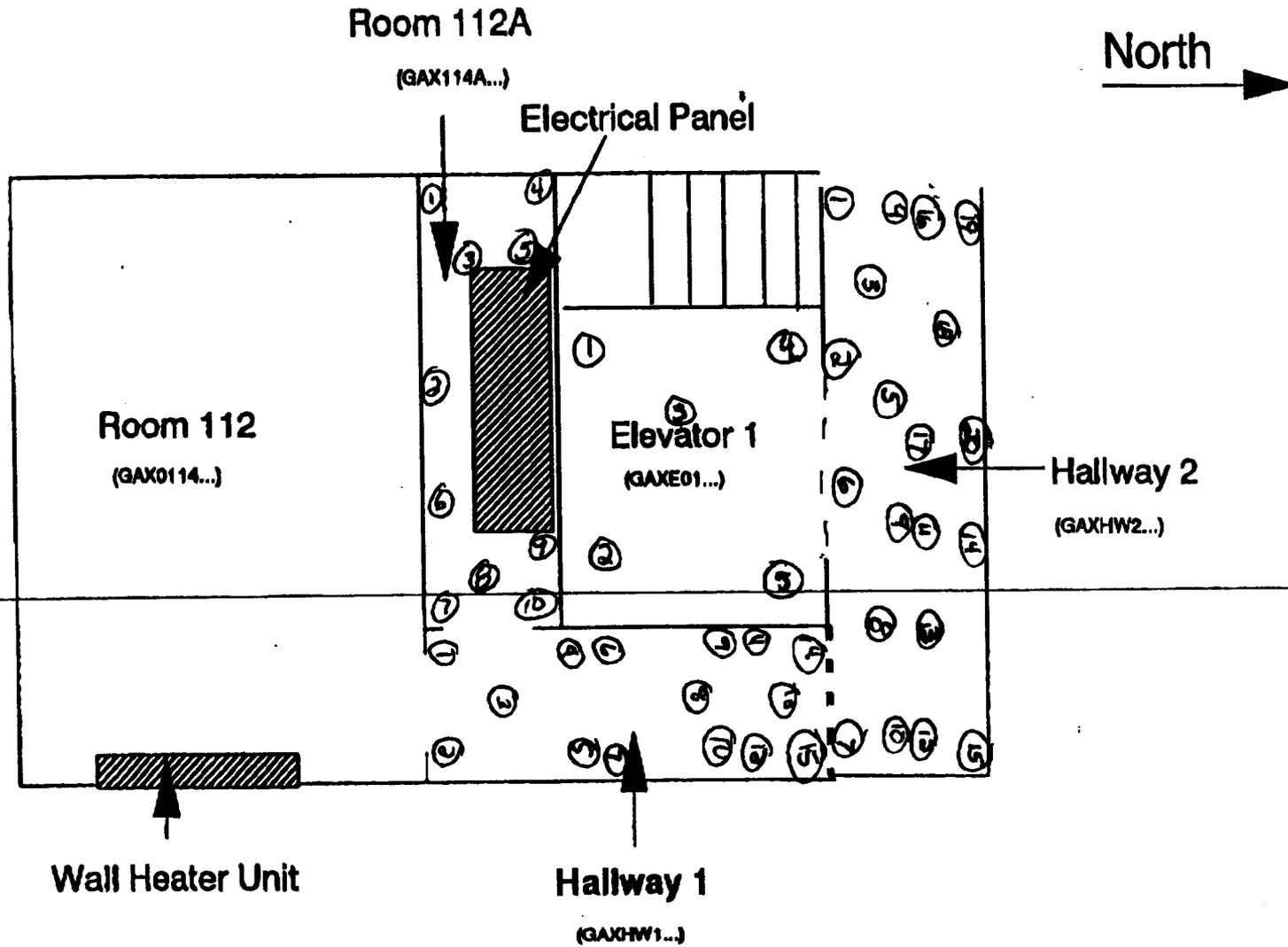
Sincerely,

Susan A. Huntsman
Radiation Safety Officer

Ecology Wing Room 112 Characterization Areas



Ecology Wing Room 112 Characterization Areas



Called Dave Collins on August 18, 1995 to determine if we can go ahead with the floor replacement before getting the final report from SEG. He, in consultation with Doug Collins said that it would be ok. He asked me to send him a floor plan of the building with the vault room identified for his records which I did.

Aug 31. pointed out to Don that the old vault room no longer has a room number and the number that had been used to designate it (112) is now assigned to the seawater room. We decided to restore this number to the old vault room to avoid any future confusion as to which room was decontaminated.

CONFIRM REPORT

Dec. 30 2008 02:12PM

YOUR LOGO : NOAACCFHR
YOUR FAX NO. : 2528380809

NO.	OTHER FACSIMILE	START TIME	USAGE TIME	MODE	PAGES	RESULT
01	916193375269	Dec.30 02:11PM	00'57	SND	000	OTHER FAX NOT RESPONDING

RESULT : OTHER FAX NOT RESPONDING
<< POSSIBLE REASON >>
1.RECEIVING FAX BUSY.
2.RECEIVING FAX OUT OF PAPER.
3.POWER FAILURE OR OTHERS.

**INSERT DOCUMENT UNTIL YOU HEAR A BEEP
THEN PRESS 'START' AFTER CONFIRMING
THE CONNECTING TONE OF RECEIVING.**

**TO TURN OFF REPORT, PRESS 'MENU' #401.
THEN SELECT OFF BY USING 'v' OR '^'.**

FOR ASSISTANCE, CALL 1-800-HELP-FAX OR VISIT www.panasonic.com/consumersupport.

CONFIRM REPORT

Dec. 30 2008 02:20PM

YOUR LOGO : NOAACCFHR
YOUR FAX NO. : 2528380809

NO.	OTHER FACSIMILE	START TIME	USAGE	TIME	MODE	PAGES	RESULT
01	916193375269	Dec.30 02:19PM	00'56		SND	000	OTHER FAX NOT RESPONDING

RESULT : OTHER FAX NOT RESPONDING
<< POSSIBLE REASON >>
1.RECEIVING FAX BUSY.
2.RECEIVING FAX OUT OF PAPER.
3.POWER FAILURE OR OTHERS.

**INSERT DOCUMENT UNTIL YOU HEAR A BEEP
THEN PRESS 'START' AFTER CONFIRMING
THE CONNECTING TONE OF RECEIVING.**

**TO TURN OFF REPORT, PRESS 'MENU' #401.
THEN SELECT OFF BY USING '▼' OR '▲'.**

FOR ASSISTANCE, CALL 1-800-HELP-FAX OR VISIT www.panasonic.com/consumersupport.