

National Ocean and Aeronautics Administration

**Decommissioning for Lab 411 and Waste area
Located**

**At
215 Fort Johnson Rd
James Island, SC 29412**

July 23, 2021

**GLENN H. GOUDY
HEALTH PHYSICS CONSULTANT
SC LICENSE # 527
2471 Birkenhead Dr.
CHARLESTON, SC 29414
(843) 270-6588**

Mr. Ron Gagnon, RSO, NOAA
Mr. Reid Osborne, NOAA
Dr. Todd Leighfield, PHD, NOAA

An inspection and survey was conducted for National Oceanographic and Aeronautic Administration on July 19, 2021. The inspection was conducted for the adequacy of decontamination of the facility post move from the listed address to the new facility and unconditional release of the property to the State of SC, specifically the Department of Natural Resources. The inspection and audit was performed to determine if any unusual radiation hazards exist which may endanger personnel or general public. Comments and recommendations follow each section with an overall summary following the end of the report.

EQUIPMENT:

Quanta Smart LSV counter
Ludlum 14C Sn:155162

POSTING AND LABELING

All Postings and labels were removed and defaced

COMMENTS

Y/N

HEALTH PHYSICS EVALUATION:

All equipment removed or slated for pickup by surplus
Refrigerators and Freezers cleaned and ready for pickup

Y/N

Y/N

SURVEYS

1. Wipe test smear technique performed post departure from facility
2. GM Surveys performed post departure from facility
Corrective action taken and follow up survey taken when necessary
3. LSV counter used for counting wipe test.
4. Background consistency low and LLD sufficient to
regulatory limits
5. Neighboring areas monitored and surveyed post departure

Y/N

Y/N

Y/N

Y/N

Y/N

INDEPENDENT SURVEY

Area Survey-Lab 411

Survey Meter: Ludlum 14C SN: 155162

Last Calibration Date: 1/25/21

Area Survey-GM								
Item #	Area	mR/hr		Area	mR/hr	Item #	Area	mR/hr
1	Bench	<0.1	11	Floor	<0.1	21	Floor	<0.1
2	Sink	<0.1	12	Floor	<0.1	22	Floor	<0.1
3	Bench	<0.1	13	Floor	<0.1	23	Floor	<0.1
4	Bench	<0.1	14	Floor	<0.1	24	Floor	<0.1
5	Floor	<0.1	15	Gamma Ctr	<0.1	25	Floor	<0.1
6	Floor	<0.1	16	Scint Ctr	<0.1	26	Floor	<0.1
7	Floor	<0.1	17	R/F	<0.1	27	Floor	<0.1
8	Floor	<0.1	18	Freezer	<0.1	28	Floor	<0.1
9	Floor	<0.1	19	Bench	<0.1	29	Floor	<0.1
10	Floor	<0.1	20	Bench	<0.1	30	Floor	<0.1

Background 0.02 mR/hr

Area Survey-Waste Storage Cage

Survey Meter: Ludlum 14C SN: 155162

Last Calibration Date: 1/25/21

Area Survey-GM								
Item #	Area	mR/hr		Waste Box	Mr/hr			
31	Floor	<0.1		1	<0.1			
32	Floor	<0.1		2	<0.1			
33	Floor	<0.1		3	<0.1			
34	Shelves	<0.1		4	<0.1			
35	Shelves	<0.1		5	<0.1			
36	Shelves	<0.1						
37	Shelves	<0.1						
38	Floor	<0.1						
39	floor	<0.1						
40	Floor	<0.1						

Background 0.02

COMMENTS:

All Equipment was removed by staff for National Ocean Fisheries and National Oceanographic and

Aeronautic Administration. No residual contamination was detected using a Ludlum 14 C with a Pancake Probe. Wipe tests were taken as shown on the attached map and taken to counted on a Packard TriCarb Scintillation counter. (Results attached) All wipes were found to be acceptable, no residual contamination detected.

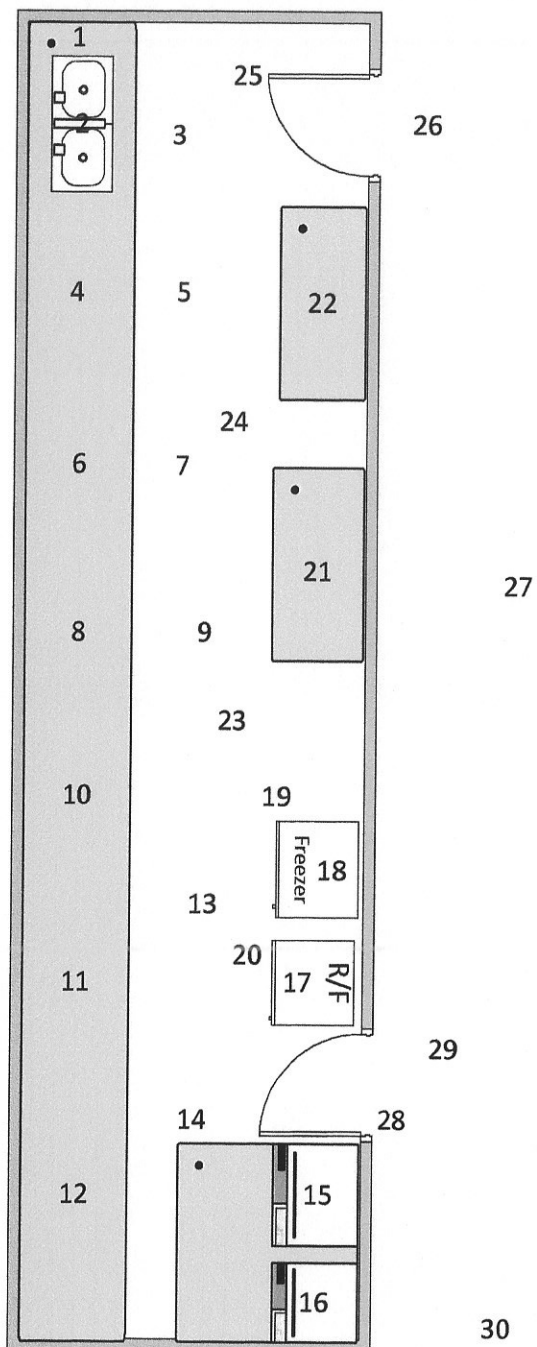
Glenn H. Goudy, MBA
Health Physicist
Health Physics Consultants, LLC
SC DHEC License # 527

Wipe Test Results	
-------------------	--

Counting Instrument: Packard Tricarb Scintillation Counter; SN SGL007211518

37	shelves	3	3		7	2		Pass
38	Flr rear	2	5		1	6		Pass
39	Floor	5	8		10	0		Pass
40	Floor	0	0		0	6		Pass
Bx1	Exterior	3	3		2	3		Pass
Bx2	Exterior	1	5		5	6		Pass
Bx3	Exterior	0	0		8	5		Pass
Bx4	Exterior	5	3		0	0		Pass
Bx5	Exterior	2	9		1	0		Pass
BKG		14	0		22	0		Pass

Allowable dpm/300 cm²= 100



Reid Osborne
 Facilities Operations Specialist
 National Oceanic and Atmospheric Administration
 331 Fort Johnson Road, Charleston, SC 29412-9110
 Cell Ph. 757-535-2681

Waste boxes
 containing Solid waste
 And Scintillation vials

Bx-1 Bx-2
 Bx-3
 Bx-4
 Bx-5

