

A Union Health partner

October 31, 2017

U. S. Nuclear Regulatory Commission
Materials Licensing Section
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Dear Sir or Madam:

Union Associated Physicians, LLC would like to terminate its Byproduct Materials License, Number 13-32039-01. Licensed materials use ceased as of September 22, 2017. Supporting documentation for this request is enclosed.

If there are any questions concerning this license amendment, please contact our nuclear medicine physicist, Mr. Bryce A. Caudle, at 317-443-9035, by fax at 317-581-1931, or by email at bcaudle@mpcphysics.com.

Sincerely,

Edward M. Carne
Chief Administrative Officer

UAP CLINIC
221 S. Sixth St.
Terre Haute, IN 47807

PH: 812.232.0564
FAX: 812.242.3848

uapclinic.com

RECEIVED NOV 15 2017

NRC FORM 314

(02-2017)
10 CFR 30.36(j)(1);
40.42(j)(1); 70.38(j)(1);
and 72.54(k)(5)(1)(i)

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0028

EXPIRES: 02/29/2020

CERTIFICATE OF DISPOSITION
OF MATERIALS

Estimated burden per response to comply with this mandatory collection request: 30 minutes. This submittal is used by NRC as part of the basis for its determination that the facility is released for unrestricted use. Send comments regarding burden estimates to the FOIA, Privacy, and Information Collections Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to Infocollections.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0028), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

LICENSEE NAME AND ADDRESS

Union Associated Physicians Clinic, LLC
221 South 6th Street
Terre Haute, IN 47807

LICENSE NUMBER

13-32039-01

DOCKET NUMBER

LICENSE EXPIRATION DATE

07/31/2023

A. LICENSE STATUS (Check the appropriate box)

- ☐ This license has expired. ☒ This license has not yet expired; please terminate it.

B. DISPOSAL OF RADIOACTIVE MATERIAL

(Check the appropriate boxes and complete as necessary. If additional space is needed, provide attachments)

The licensee, or any individual executing this certificate on behalf of the licensee, certifies that:

- ☐ 1. No radioactive materials have ever been procured or possessed by the licensee under this license.
- ☒ 2. All activities authorized by this license have ceased, and all radioactive materials procured and/or possessed by the licensee under this license number cited above have been disposed of in the following manner.
- ☒ a. Transfer of radioactive materials to the licensee listed below:
Union Hospital, Inc. (NRC license number 13-16457-01)
- ☐ b. Disposal of radioactive materials:
- ☐ 1. Directly by the licensee:
- ☐ 2. By licensed disposal site:
- ☐ 3. By waste contractor:
- ☐ c. All radioactive materials have been removed such that any remaining residual radioactivity is within the limits of 10 CFR Part 20, Subpart E, and is ALARA.

C. SURVEYS PERFORMED AND REPORTED

- ☒ 1. A radiation survey was conducted by the licensee. The survey confirms:
- ☒ a. the absence of licensed radioactive materials
- ☐ b. that any remaining residual radioactivity is within the limits of 10 CFR 20, Subpart E, and is ALARA.
- ☒ 2. A copy of the radiation survey results:
- ☒ a. is attached; or ☐ b. is not attached (Provide explanation); or ☐ c. was forwarded to NRC on: _____ Date _____
- ☐ 3. A radiation survey is not required as only sealed sources were ever possessed under this license, and
- ☐ a. The results of the latest leak test are attached; and/or ☐ b. No leaking sources have ever been identified.

The person to be contacted regarding the information provided on this form:

NAME	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
Bryce Caudle	Nuclear Medical Physicist	(317) 443-9035	bcaudle@mpcphysics.com

Mail all future correspondence regarding this license to:

Kristi Howe, 1429 North 6th St., Terre Haute, IN 47807

C. CERTIFYING OFFICIAL

I CERTIFY UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT

PRINTED NAME AND TITLE

Edward M. Carne, Chief Administrative Officer

SIGNATURE

DATE

11/06/2017

WARNING: FALSE STATEMENTS IN THIS CERTIFICATE MAY BE SUBJECT TO CIVIL AND/OR CRIMINAL PENALTIES. NRC REGULATIONS REQUIRE THAT SUBMISSIONS TO THE NRC BE COMPLETE AND ACCURATE IN ALL MATERIAL RESPECT. 18 U.S.C. SECTION 1001 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

Close-out survey of Nuclear Medicine Department, Union Associated Physicians
1429 North 6th Street, Terre Haute, IN 47807

Performed by: Bryce A. Caudle, M.S.
Medical Physics Consultants, Inc.

Radioactive materials usage at this location of use was limited to materials licensed under 10 CFR 35.100 and 35.200. Sealed radioactive sources were possessed and used for equipment quality control.

Wipe tests for removable radioactive contamination were taken on 10/19/17 and analyzed in a Ludlum Model 243 (S/N: 145366) Shielded Well Scintillator coupled to a Ludlum Model 2200 (S/N: 138705) Scaler Ratemeter. A window of 50 to 400 keV was used to analyze the wipes. The efficiency of this system for cobalt-57 is 1.09 dpm/cpm. The results of the wipe samples are enclosed.

The radiation levels survey was performed on 10/17/17 by Bryce Caudle, using a Ludlum Model 14C Geiger-Muller survey meter (S/N: 146306) with a pancake probe. The meter was calibrated on 2/23/17. The range used for the radiation level survey was 0.0 to 0.2 mR/hr.

Visual Inspection

The area was visually inspected to ensure that all radioactive waste had been removed. No radioactive material was located in the area. All radioactive material signage has been removed from the area.

Radiation Level Survey

No area demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

Sealed Sources

All sealed sources have been transferred to the nuclear medicine department of Union Hospital, Inc., NRC license number 13-16457-01. A letter of acknowledgement of receipt from Union Hospital is enclosed. No sealed source had ever been found to be leaking and a copy of the most recent leak test results is enclosed.

Removable Contamination Survey Results

Wipe samples were counted in a Ludlum Model 243 Shielded Well Scintillator (S/N: 145366) coupled to a Ludlum Model 2200 Scaler Ratemeter (S/N: 138705). The efficiency of this system for cobalt-57 is 1.09 dpm/cpm.

Background: 321 counts per minute

Wipe Number	Gross counts per minute	Net counts per minute	Disintegrations per minute
1	317	0	0
2	340	19	20.71
3	329	8	8.72
4	332	11	11.99
5	363	42	45.78
6	316	0	0
7	330	9	9.81
8	330	9	9.81
9	343	22	23.98
10	313	0	0
11	351	30	32.7
12	331	10	10.9
13	346	25	27.25
14	320	0	0
15	316	0	0
16	346	25	27.25
17	313	0	0
18	355	34	37.06
19	311	0	0
20	348	27	29.43
21	339	18	19.62
22	340	19	20.71
23	326	5	5.45
24	328	7	7.63
25	329	8	8.72
26	333	12	13.08
27	338	17	18.53
28	365	44	47.96
29	330	9	9.81
30	326	5	5.45
31	338	17	18.53
32	338	17	18.53
33	342	21	22.89
34	353	32	34.88
35	303	0	0
36	326	5	5.45
37	358	37	40.33
38	322	1	1.09
39	333	12	13.08

40	307	0	0
41	331	10	10.9
42	346	25	27.25
43	343	22	23.98
44	332	11	11.99
45	321	0	0
46	371	50	54.5
47	337	16	17.44

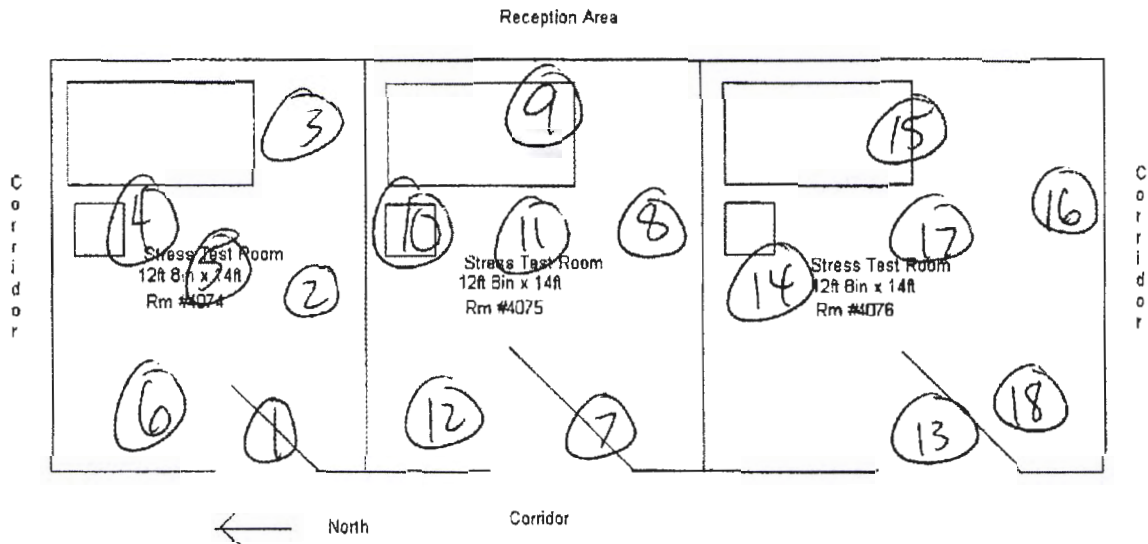
*Please refer to the attached survey map for wipe locations.

Maximum removable contamination occurred in area 46. Gross count rate = 371 cpm/100cm².
 Net count rate (gross minus background) = 371 – 321 = 50 cpm/100cm². Net removable
 disintegrations per minute = 50 cpm/100cm² x 1.09 dpm/cpm = 54.5 dpm/100cm².

Conclusion

All radioactive materials have been removed from the area of use and no removable contamination is present.

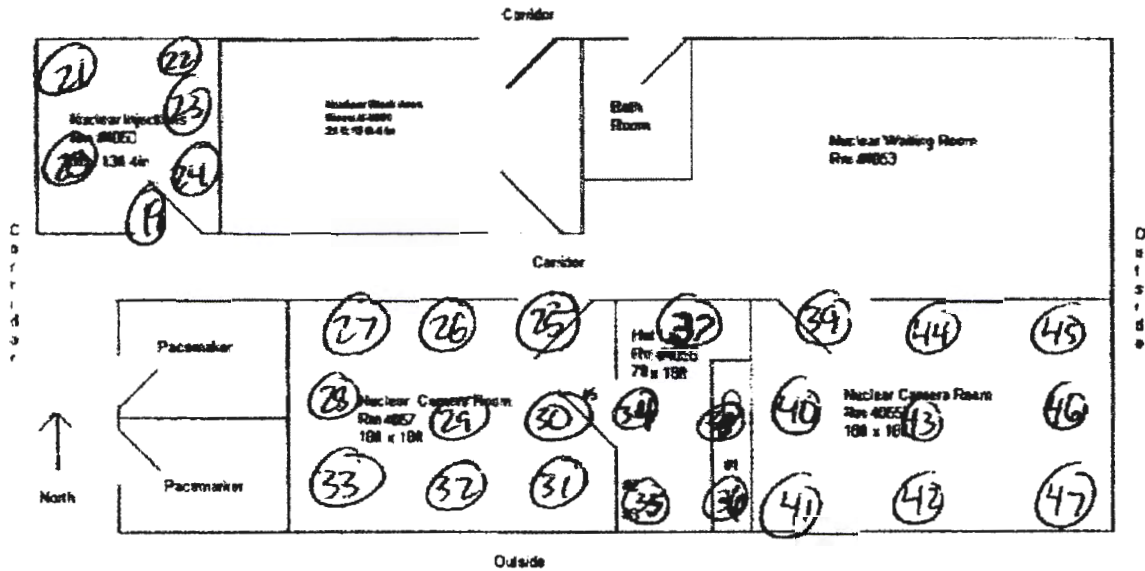
Nuclear Medicine Department
UNION ASSOCIATED PHYSICIANS CLINIC
1429 North 6th Street
Terre Haute, IN 47807



Directly below the nuclear medicine department are the exam rooms.
Directly above the nuclear medicine department is the roof.

Attachment 9.1

FACILITY DIAGRAM
Nuclear Medicine Department
UNION ASSOCIATED PHYSICIANS CLINIC
 1429 North 6th Street
 Terre Haute, IN 47807



- #1.Dose prep area.
- #2. Package receipt
- #3.Package return
- #4.Waste storage.
- #5.Lockable Hot Lab Door

Directly below the nuclear medicine department are the exam rooms.
 Directly above the nuclear medicine department is the roof.



October 27, 2017

Mr. Bryce Caudle
Medical Physics Consultants, Inc.
50 East 91st Street, Suite 211
Indianapolis, IN 46240

Dear Mr. Caudle:

As part of the process of establishing a Nuclear Cardiology Service within Union Hospital, UAP, LLC has disestablished their own Nuclear Medicine program and is in the process of decommissioning the facility identified under NRC License #13-32039-01. UAP maintained 5 sealed sources which have now been transferred to the new department and are held under the Union Hospital NRC License #13-16457-01. The sources are listed below:

	Isotope	Form	Nominal Activity	Cal Date	Serial #
1.	Cs-137	Rod source	500 nCi	01/01/1998	56742
2.	Cs-137	Vial source	224 μ Ci	06/27/1998	S356037028
3.	Cs-137	Button	1.0 μ Ci	11/01/1997	3367
4.	Cs-137	Button	10 μ Ci	02/01/2006	1140-97-7
5.	Co-57	Flood Source	15 mCi	10/16/2016	BM01L1516260101

This information is being provided to assist in your efforts on behalf of UAP, LLC in their decommissioning process. Please contact me if you have any questions regarding this transfer of assets. My hospital extension is (812) 238-7275.

Sincerely,

Dean A. Taylor, M.S.
Radiation Safety Officer
Union Hospital Health Group

A NEW DAWN IN HEALTHCARE

Union Associated Physicians Clinic, LL
221 South 6th Street
Terre Haute, IN 47807

USPS CERTIFIED MAIL



9414 8149 0101 7374 0157 71



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