

# LEVAN INTERNISTS, P.C.

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Prabhjeet Chhatwal, M.D.  
Babu Jarodiya, M.D., F.A.C.P.  
Rakesh Patel, M.D.  
Jaspal Singh, M.D.  
Talanki Viswanath, M.D.

15130 Levan Road  
Livonia, MI 48154  
Phone (734) 779-2100  
Fax (734) 779-2201

4-12-18

Magdalena Gryglak  
United States Nuclear Regulatory Commission  
Region III, Materials Licensing Section  
2443 Warrenville Road, Ste 210  
Lisle, IL 60532-4352

Close-out information for License. Levan Internists, PC, Control # 602485

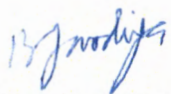
Dear Ms. Gryglak,

A close-out survey was performed on April 10, 2018 of our facility Levan Internists, PC, 15130 Levan Road, Suite 48, Livonia, MI 48154 and is enclosed for your review.

The last date of receipt and use of radioactive material at this site was January 18, 2018. Tc-99m was the only radionuclide used at this facility. A current copy of the leak test results for the sealed sources used at our facility is enclosed for your review. Also the documentation for the disposal of our sealed sources to a waste contractor is enclosed. Some of this information may be duplicates and we apologize for this inconvenience. This facility is exempt from decommissioning due to low volumes and short physical half-lives of materials used.

We did not dispose of radioactive materials by release to sewers or incineration. In addition, there were no spills of any long-lived radioactive material or on-site burials of radioactive materials.

Cordially,



Babu Jarodiya, Executive Management  
Levan Internists, P.C.



## 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 estimate 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](mailto:infocollections.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NRCB-16202, (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

Levan Internists, PC  
15130 Levan Road, Suite 48  
Livonia, MI 48154

LICENSE NUMBER

21-32215-01

DOCKET NUMBER

LICENSE EXPIRATION DATE

01/31/2020

**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:

- ☒ b. Disposal of radioactive materials:

☐ 1. Directly by the licensee:

☐ 2. By licensed disposal site:

- ☒ 3. By waste contractor:

ADCOM (Please see enclosed paperwork)

- ☐ 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
Maura Mackin	Manager	(734) 779-2109	levandiagnostics@yahoo.com

Mail all future correspondence regarding this license to:

Levan Internists, PC, 15130 Levan Road, Suite 48, Livonia, MI 48154

**C. CERTIFYING OFFICIAL**

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

PRINTED NAME AND TITLE	SIGNATURE	DATE
Babu Jaroriya, CEO		04/11/18

**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

Date Performed: April 10, 2018

Performed By: Laura Luna, Physics Consultant

Wipe tests analyzed with Capintec, Caprac. Efficiency for Cobalt-57 is 1.2 dpm/cpm. MDA is 41 dpm. A generic conversion factor of 2 dpm/cpm was used. This efficiency was performed January 11, 2017.

Survey performed with Ludlum survey meter model 14C with end window probe S/N # 157473 calibrated on 5/29/17 with a check source reading of 7.0 mR/hr. Range used was 0.1 mR/hr.

All sealed radioactive sources were transferred to ADCOM. Documentation is enclosed.

### Visual Check

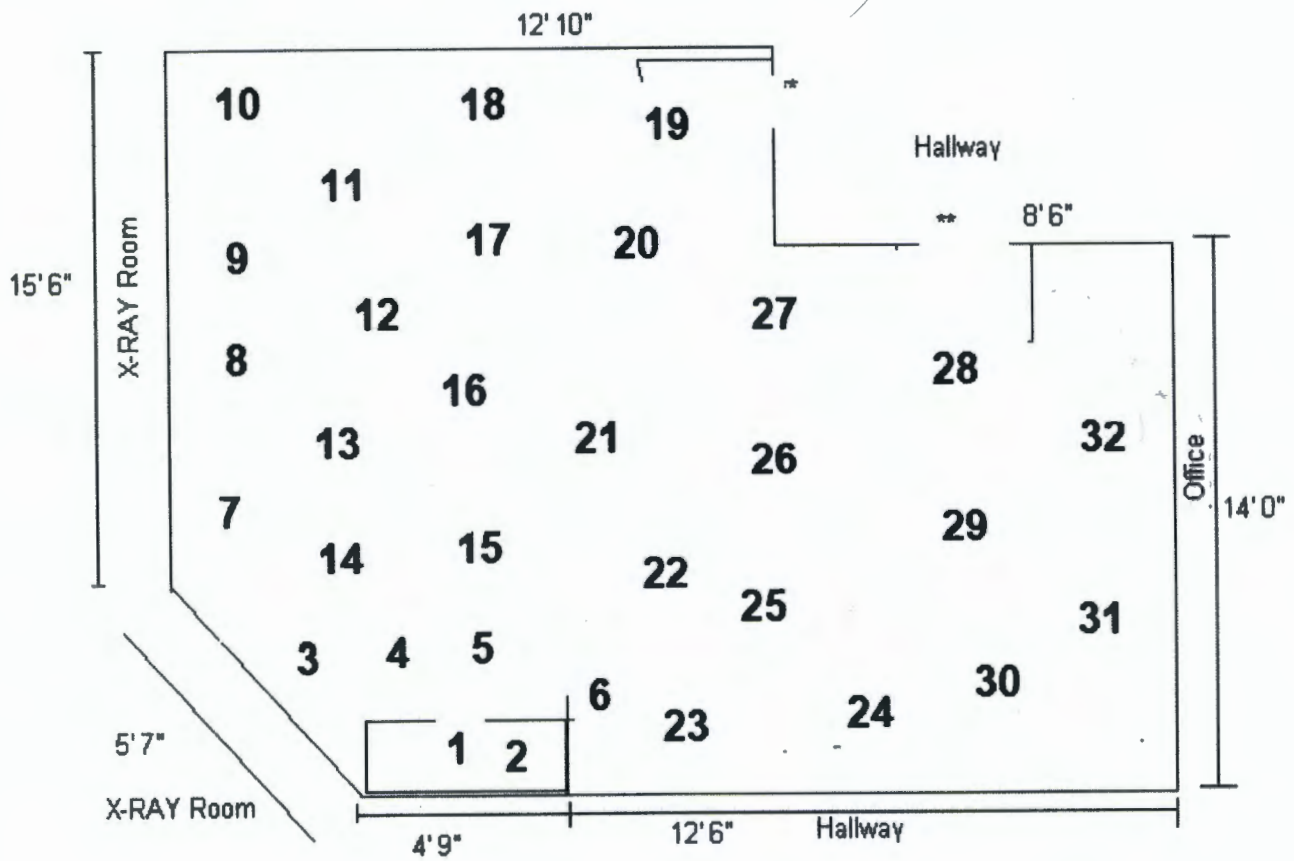
The area was checked to ensure that all radioactive waste had been removed. No radioactive material was located.

### Radiation Level Survey

No area within the department demonstrated radiation levels in excess of the background reading of 0.01 mR/hr.

# Numbered Diagram

## LEVAN INTERNISTS, PC



\*\* Entry to the room will be lock and key



**License # 21-32215-01**

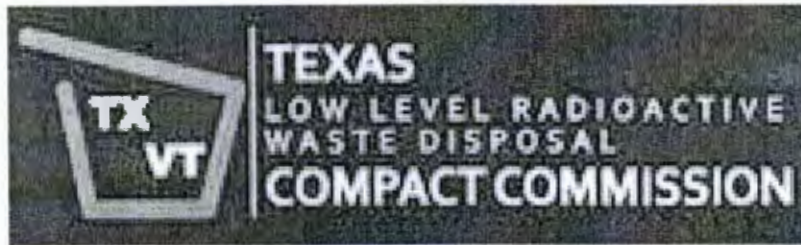
**Performed By:** Laura Luna, BS  
**MDA:** 41  
**Check Value:** 7  
**Calibration Date:** 05/29/2017

		dpm		mR/h
1	Hot Lab Area	0		0.01
2	Hot Lab Area	0		0.01
3	Hot Lab Area	0		0.01
4	Hot Lab Area	0		0.01
5	Hot Lab Area	12		0.01
6	Hot Lab Area	12		0.01
7	Imaging Rm	12		0.01
8	Imaging Rm	18		0.01
9	Imaging Rm	18		0.01
10	Imaging Rm	18		0.01
11	Imaging Rm	16		0.01
12	Imaging Rm	16		0.01
13	Imaging Rm	16		0.01
14	Imaging Rm	12		0.01
15	Imaging Rm	12		0.01
16	Imaging Rm	12		0.01
17	Imaging Rm	6		0.01
18	Imaging Rm	6		0.01
19	Imaging Rm	6		0.01
20	Imaging Rm	6		0.01
21	Imaging Rm	6		0.01
22	Imaging Rm	6		0.01
23	Imaging Rm	0		0.01
24	Imaging Rm	0		0.01
25	Imaging Rm	0		0.01
26	Imaging Rm	0		0.01
27	Imaging Rm	0		0.01
28	Imaging Rm	0		0.01
29	Imaging Rm	0		0.01
30	Imaging Rm	0		0.01
31	Imaging Rm	0		0.01
32	Imaging Rm	0		0.01
	Background	270 cpm		

## 2.0

**COMMENTS:** No evidence of removable contamination.

RSO Signature: \_\_\_\_\_



### GENERATOR AUTHORIZATION

Levan Internists  
15130 Levan Road  
Livonia, MI 48154-5027

Date 2-22-18

\_\_\_\_\_ authorizes RAM Services, Inc. of Two Rivers, Wisconsin (State of Wisconsin, radioactive materials license 071-1234-01) and/or Veolia ES Alaron, LLC of Wampum, PA (State of Pennsylvania, radioactive materials license PA-0678) to be our Broker and/or Processor for disposal of our radioactive material and/or sealed sources into the State of Texas Compact Disposal Facility in Andrews, Texas, operated by Waste Control Specialists, LLC. By signing this Generator Authorization, the Generator is also verifying that there is no waste of international origin contained in this shipment.

NAME OF AUTHORIZED  
ORIGINAL GENERATOR  
REPRESENTATIVE:

Levan Internists

15130 Levan Road

TITLE: DIAGNOSTICS MANAGER Livonia, MI 48154-5027

MAILING ADDRESS:

SIGNATURE:

Maura Mackin



### Sealed Source Leak Test

Licensee: Levan Internists, P.C.

Date: 10/11/17

Performed by: Laura Luna

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Cs-137	Vial	212 uCi	10/11/99	Hot Lab	NES-356	S356041008
Current Activity: 139.84 uCi						
Ba-133	Vial	277 uCi	10/08/97	Hot Lab	NES-358	S358023005
Current Activity: 74.131 uCi						
Co-57	Flood	10 mCi	07/01/16	Hot Lab	MED3709	1881-055
Current Activity: 3.028 mCi						

Comment: The sources listed above were leak tested using a dry wipe technique and were found to have less than 0.005 uCi removable activity. The following Minimum Detectable Activities are based upon a background at the indicated value. Background was at or below these levels when the above tests were completed.

Well Counter: Captus 3000

Nuclide	MDA	Background
Cs-137	$2.0 \times 10^{-4}$ uCi	145 counts/1 min
Ba-133	$8.8 \times 10^{-5}$ uCi	204 counts/1 min
Co-57	$1.7 \times 10^{-5}$ uCi	53 counts/1 min

RADIATION SAFETY OFFICER: \_\_\_\_\_

NRC FORM 541 (01-2017)



APPROVED BY OMB: NO 3150-0164  
EXPIRES: 12/31/2019

Estimated burden per response to comply with this information collection request: 45 minutes. This uniform manifest is required by NRC to meet reporting requirements of Federal and State Agencies for the safe transportation and disposal of low-level waste. Send comments regarding burden estimate to the FOIA Privacy and Information Collections Branch (T-4 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by email to [InfoCollections@nrc.gov](mailto:InfoCollections@nrc.gov) and to the Desk Officer, Office of Information and Regulatory Affairs, NEOF-10202, (3150-0164), Office of Management and Budget, Washington, DC 20503. If a waste used to prepare 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.

NRC FORM 540 (01-2017)		U.S. NUCLEAR REGULATORY COMMISSION UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		5. SHIPPER - NAME AND FACILITY		SHIPPER ID NUMBER		7. NRC FORM 540 AND 540A PAGE 1 OF 1 PAGE(S)		8. MANIFEST NUMBER (Use this number on all continuation pages)	
Instructions: See NUREG/BR-0204 for detailed instructions for completing this form: <a href="http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0204">http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0204</a>				LEVAN DIAGNOSTICS FOR THE ACCT OF ADCO 15130 LEVAN ROAD LIVONIA, MI 48154		62222		NRC FORM 541 AND 541A NRC FORM 542 AND 542A ADDITIONAL INFORMATION		18-0004 L	
EMERGENCY TELEPHONE NUMBER (Include Area Code) 7348121339				USER PERMIT NUMBER NA		SHIPMENT NUMBER 18-0004 L		COLLECTOR PROCESSOR <input checked="" type="checkbox"/> GENERATOR TYPE (Specify)		CONTACT MICHAEL MILLER	
ORGANIZATION LEVAN DIAGNOSTICS				CONTACT MAURA MACKIN		TELEPHONE NUMBER (Include Area Code) 7347792110		9. CONSIGNEE - Name and Facility Address ALARON VEOLIA 2138 STATE RTE 18 WAMPUM, PA 16157		TELEPHONE NUMBER (Include Area Code) 7245355777	
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		EPA ID NUMBER MIK45192277		SIGNATURE - Authorized consignee acknowledging waste receipt		DATE	
4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO				EPA MANIFEST NUMBER		SHIPPING DATE 2/22/18		10. CERTIFICATION This is to certify that the herein-named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. This also certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transportation and disposal as described in accordance with the applicable requirements of 10 CFR Parts 20 and 61, or equivalent state regulations.		AUTHORIZED SIGNATURE TITLE DATE	
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number and any additional information)				12. DOT LABEL "RADIOACTIVE"		13. TRANSPORT INDEX		14. PHYSICAL AND CHEMICAL FORM		15. INDIVIDUAL RADIONUCLIDES	
UN 2910 Radioactive material, excepted package-limited quantity of material.				RADIOACTIVE YELLOW-II		GB		SOLID		CS137 28 BA133 87.73 MBq	
UN 2910 RADIOACTIVE MATERIAL- EXCEPTED PACKAGE-LIMITED QUANTITY OF MATERIAL				N/A		N/A		SOLID FLOID SOURCE		CS137 3.02mCi 7/1A 30 LBS 18-0004-2	
FOR CONTAINER USE ONLY											

NRC FORM 542 (01-2017)			U.S. NUCLEAR REGULATORY COMMISSION			WASTE COLLECTOR/PROCESSOR			2. MANIFEST NUMBER			
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST MANIFEST INDEX AND REGIONAL COMPACT TABULATION			NAME LEVAN DIAGNOSTICS			SHIPPER USE ONLY Sources picked up and removed by Adco on 3/22/18. JPBell			18-0004 L			
Instructions: See NUREG/BR-0204 for detailed instructions for completing this form <a href="http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0204">http://www.nrc.gov/reading-rm/doc-collections/nuregs/brochures/br0204</a>			IDENTIFICATION NUMBER 62222			SHIPPING DATE 2/22/18			PAGE 1 OF 1 PAGE(S)			
List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators.												
4. GENERATOR IDENTIFICATION NUMBER	5. GENERATOR NAME PERMIT NUMBER (IF APPLICABLE) AND TELEPHONE NUMBER	6. GENERATOR FACILITY ADDRESS	7. PREPROCESSED WASTE (OR MATERIAL) VOLUME (m <sup>3</sup> )	8. MANIFEST NUMBER(S) UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE (IF RECEIPT)	9. WASTE CODE P = PROCESSED C = COLLECTED	10. ORIGINATING COMPACT REGION DATE/STATE	11. AS PROCESSED/COLLECTED TOTAL					
A. SOURCE MATERIAL (kg)	B. SNM (g)	C. ACTIVITY (MBq)	D. VOLUME (m <sup>3</sup> )									
62222	LEVAN DIAGNOSTICS 734-779-2110	15130 LEVAN ROAD LIVONIA, MI 48154	0.226	18-0004 L	C	MI						
TOTALS OF ALL PAGES (NRC FORMS 542 AND 542A)												

## **Gryglak, Magdalena**

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**From:** Levan Diagnostics <levandiagnostics@yahoo.com>  
**Sent:** Thursday, April 12, 2018 12:18 PM  
**To:** Gryglak, Magdalena  
**Subject:** [External\_Sender] Levan Diagnostic closeout  
**Attachments:** Levan diagnostics to NRC closeout04122018.pdf

Ms Magdalena Gryglak

Please find our documentation attached. Please let me know if I have finally sent what is needed.

Thanks Maura