

# LEVAN INTERNISTS, P.C.

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Prabhjeet Chhatwal, M.D.  
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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

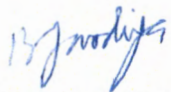
Dear Ms. Gryglak,

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 submission 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, NEOF-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

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	levandiagnosics@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

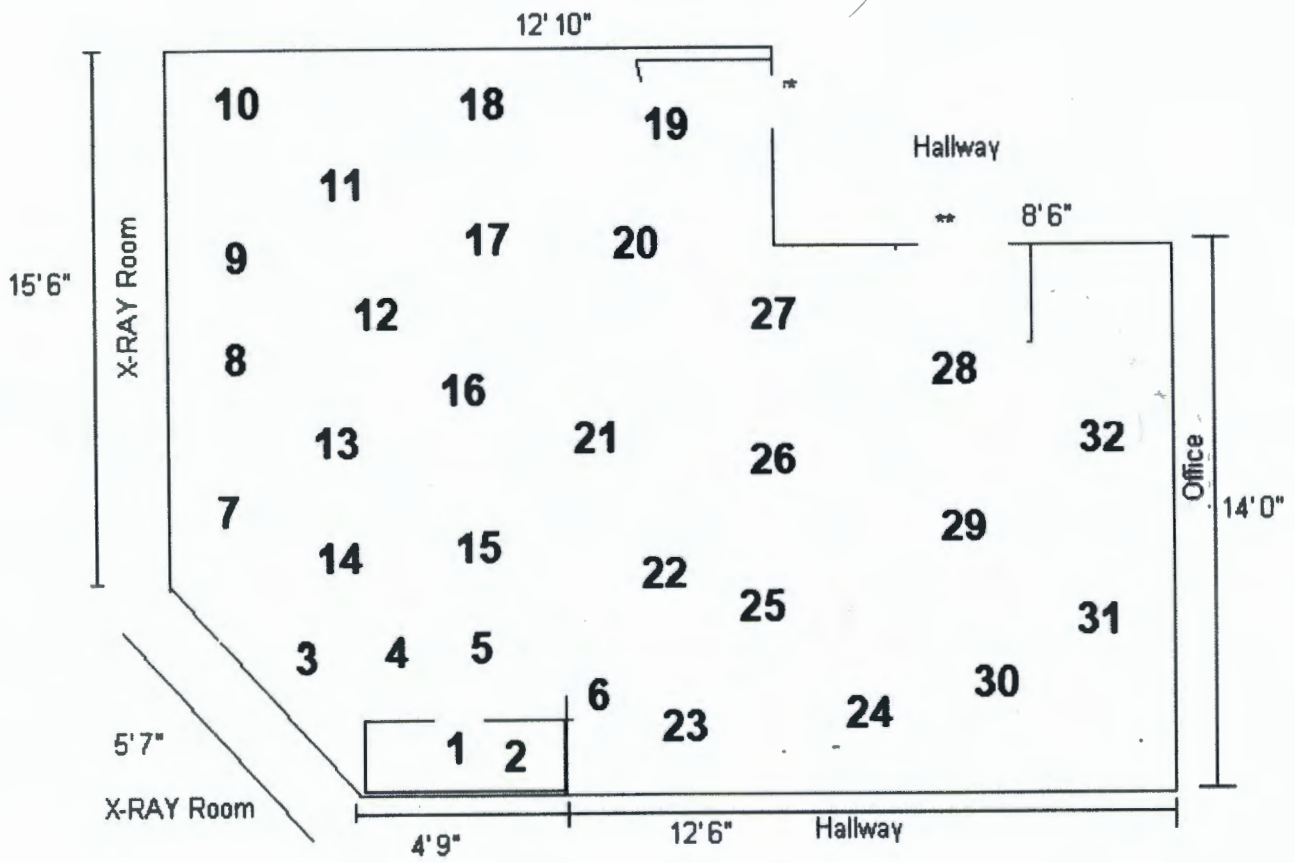
The area was checked to ensure that all radioactive waste had been removed. No radioactive material was located.

### Radiation Level Survey

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

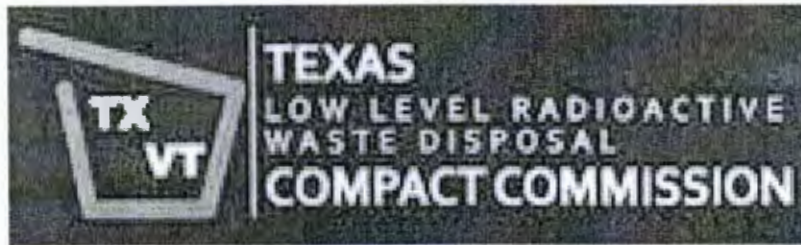
**Numbered Diagram**

**LEVAN INTERNISTS, PC**



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





**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  
Livonia, MI 48154-5027

TITLE: DIAGNOSTICS MANAGER

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

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: \_\_\_\_\_

APPROVED BY OMB: NO. 3150-0166  
EXPIRES: 12/31/2019

Estimated burden per response to comply with this information collection request: 3.3 hours. The 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 estimates to the FOIA, Privacy, and Information Collections Branch (T-5 FB3), 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, NE08-10202 (3150-0166), 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.

NRC FORM 541 (01-2017)						U.S. NUCLEAR REGULATORY COMMISSION				1. MANIFEST TOTALS				2. MANIFEST NUMBER	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION						NUMBER OF PACKAGES FOR DISPOSAL CONTAINERS	NET WASTE VOLUME (m <sup>3</sup> )	NET WASTE WEIGHT (kg)	SPECIAL NUCLEAR MATERIAL (grams)			TOTAL	18-0004 L		
Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste  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>						1	0.226	45	U-233	U-235	Pu		PAGE 1 OF 1 PAGE(S)		
						ALL NUCLIDES						ACTIVITY (MBq)			SOURCE (kg)
						87.73	TRITIUM			C-14	Tc-99	I-129	SHIPPER I.D. NUMBER 62222		
DISPOSAL CONTAINER DESCRIPTION						WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER									
CONTAINER IDENTIFICATION NUMBER, GENERATOR ID NUMBER(S)	CONTAINER DESCRIPTION (See Note 1)	VOLUME (m <sup>3</sup> )	WASTE AND CONTAINER WEIGHT (kg)	SURFACE RADIATION LEVEL (µSv/hr) (mSv/hr)	10 SURFACE CONTAMINATION (Mbg/100cm <sup>2</sup> )	11 WASTE DESCRIPTION (See Note 2)	12 APPROXIMATE WASTE VOLUME(S) IN CONTAINER	13 SORBENT SOLIDIFICATION, STABILIZATION MEDIA (See Note 3)	14 CHEMICAL DESCRIPTION	15 CHEMICAL FORM, CHELATING AGENT	WEIGHT & CHELATING AGENT IF > 0.1%	16 RADIOLOGICAL DESCRIPTION		17 WASTE CLASSIFICATION	
62222	180004 L	0.226	45	101	0 0	36	0.22	100	NP		0	CS137 @ 5.15 CO57 @ 79.92  BA-133 @ 2.664		AS-Class A	
<p>*All Sources listed above picked up and removed by Adco Services on 3/22/18</p> 															

**NOTE 1: Container Description Codes.** For containers: waste requiring disposal in approved structural overpacks, the numerical code must be followed by "OP."

1. Pallet Box or Crate	16. Demerolized
2. Metal Box	17. Gas Cylinder
3. Plastic Drum or Pail	18. Bulk Unpackaged Waste
4. Metal Drum or Pail	19. Unpackaged Components
5. Metal Tank or Liner	20. High Integrity Container
6. Concrete Tank or Liner	21. Other Describe in item 6 or additional page
7. Polyethylene Tank or Liner	
8. Fiberglass Tank or Liner	

**NOTE 2: Waste Descriptor Codes.** (Choose up to three which predominate by volume.)

20. Charcoal	29. Demolition Rubble	38. Evaporator Bottoms/Sludges/Concentrates
21. Incinerator Ash	30. Carbon Ion-exchange Media	39. Compactible Trash
22. Soil	31. Anion Ion-exchange Media	40. Noncompactible Trash
23. Gas	32. Mixed Bed Ion-exchange Media	41. Animal Carcass
24. Oil	33. Corrosive Equipment	42. Biological Material (except animal carcasses)
25. Aqueous Liquid	34. Organic Liquid (except oil)	43. Activated Material
26. Filter Media	35. Glassware or Labware	44. Other Describe in item 11 or additional page
27. Mechanical Filter	36. Source Device	
28. EPA or State Hazardous	37. Paint or Plating	

**NOTE 3: For solidification media that meet disposal site structural stability requirements, the numerical code must be followed by "S."** For all solidification media, the vendor (manufacturer) and brand name must also be identified in item 13. Code 100=NONE REQUIRED.

Sorption		Solidification	
50. Spent Dr	64. Safe T Sorb	66. Chemal 30	74. Petroset
51. Celstom	65. Safe N Dr	75. Chemal 50	75. Petroset II
52. Flor Dry	66. Florco	76. Chemal 3030	76. Aquaset
53. Superfine	67. Florco X	77. Dicaper HP200	77. Aquaset II
54. Hi Dr	68. Solid A Sorb	78. Dicaper HP501	78. Aquaset II
			79. Other Describe in item 13 or additional page
			80. Cement
			81. Concrete encapsulation
			82. Bitumen
			83. Vinyl Chloride
			84. Vinyl Ester Styrene
			85. Other Describe in item 13 or additional page
			86. Name Required




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 e-mail to [Infocollections.Resource@nrc.gov](mailto:Infocollections.Resource@nrc.gov) and to the Desk Officer, Office of Information and Regulatory Affairs, NEOS-10202, (3150-0164), 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.

<b>NRC FORM 540</b> (01-2017)		<b>U.S. NUCLEAR REGULATORY COMMISSION</b> <b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST</b> <b>SHIPPING PAPER</b>			<b>5 SHIPPER - NAME AND FACILITY</b> LEVAN DIAGNOSTICS FOR THE ACCT OF ADCO 15130 LEVAN ROAD LIVONIA, MI 48154		<b>SHIPPER I.D. NUMBER</b> 62222		<b>7 NRC FORM 540 AND 540A</b> PAGE 1 OF 1 PAGE(S) NRC FORM 541 AND 541A PAGE(S) NRC FORM 542 AND 542A PAGE(S) ADDITIONAL INFORMATION PAGE(S)		<b>8 MANIFEST NUMBER</b> (Use this number on all continuation pages) 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>		<b>USER PERMIT NUMBER</b> NA		<b>SHIPMENT NUMBER</b> 18-0004 L		<input type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR <input checked="" type="checkbox"/> GENERATOR TYPE (Specify)		<b>9 CONSIGNEE - Name and Facility Address</b> ALARON VEOLIA 2138 STATE RTE 18 WAMPUM, PA 16157		<b>CONTACT</b> MICHAEL MILLER TELEPHONE NUMBER (Include Area Code) 7245355777							
<b>EMERGENCY TELEPHONE NUMBER (include Area Code)</b> 7348121339		<b>CONTACT</b> MAURA MACKIN		<b>TELEPHONE NUMBER (include Area Code)</b> 7347792110		<b>EPA I.D. NUMBER</b> MIK45192277		<b>SIGNATURE - Authorized consignee acknowledging waste receipt</b> _____		<b>DATE</b> 2/22/18							
<b>ORGANIZATION</b> LEVAN DIAGNOSTICS		<b>6 CARRIER - Name and Address</b> ADCOM EXPRESS, INC PO BOX 413 TINLEY PARK, IL 60477		<b>SHIPPING DATE</b> 2-22-18		<b>TELEPHONE NUMBER (include Area Code)</b> 7084291660		<b>CERTIFICATION</b> 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.		<b>AUTHORIZED SIGNATURE</b> _____							
<b>2 IS THIS AN "EXCLUSIVE USE" SHIPMENT?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		<b>3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST</b> 1		<b>4 DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT?</b> <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If "Yes," provide Manifest Number		<b>EPA MANIFEST NUMBER</b> _____		<b>DATE</b> 2/22/18		<b>DATE</b> _____							
<b>11 U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION</b> (including proper shipping name, hazard class, UN ID number and any additional information)		<b>12 DOT LABEL "RADIOACTIVE"</b>		<b>13 TRANSPORT INDEX</b>		<b>14 PHYSICAL AND CHEMICAL FORM</b>		<b>15 INDIVIDUAL RADIONUCLIDES</b>		<b>16 TOTAL PACKAGE ACTIVITY IN SI UNITS</b>		<b>17 SA/SCO CLASS</b>		<b>18 TOTAL WEIGHT OR VOLUME</b> (Use appropriate units)		<b>19 IDENTIFICATION NUMBER OF PACKAGE</b>	
UN 2910 Radioactive material, excepted package-limited quantity of material.		RADIOACTIVE YELLOW-II		11		SOLID		CS137 23 HA133		87.73 MBq		NA		0.226		18-0004-01	
UN 2910 RADIOACTIVE MATERIAL- EXCEPTED PACKAGE-LIMITED QUANTITY OF MATERIAL		N/A		N/A		SOLID FROST SOURCE		0.57		3.02 MBq		N/A		30 LBS		18-0004-2	
<b>FOR CONSIGNEE USE ONLY</b>																	

APPROVED BY OMB, NO. 3150-0165  
EXPIRES: 12/31/2019

Estimated burden per response to comply with the information collection request, 45 minutes. The 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 (7-5 FSJ), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by e-mail to [infocollcta.Resource@nrc.gov](mailto:infocollcta.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, HEOB-10202 (3150-0165), Office of Management and Budget, Washington, DC 20503. If a means used to impede 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 542 (01-2017)		U.S. NUCLEAR REGULATORY COMMISSION			WASTE COLLECTOR/PROCESSOR			2. MANIFEST NUMBER			
 <p><b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST MANIFEST INDEX AND REGIONAL COMPACT TABULATION</b></p> <p>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></p> <p>List all original "PROCESSED WASTE" generators (if any) before "COLLECTED WASTE" generators.</p>		1. NAME LEVAN DIAGNOSTICS			SHIPPER USE ONLY Sources picked up and removed by Adeo on 3/22/18. <i>J.P. Bell</i>			18-0004 L			
		IDENTIFICATION NUMBER 62222						3. PAGE <u>1</u> OF <u>1</u> PAGE(S)			
		SHIPPING DATE 2/22/18									
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 REGION OR 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 <levandiagnosics@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