

Personal Health Care Diagnostics
2901 West Road
Trenton, MI 48183
734-675-3090

April 4, 2013

United States Nuclear Regulatory Commission
Region III, Materials Licensing
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352

Re: Termination of NRC Materials License No. 21-25934-01
Personal Health Care Diagnostics

Dear Sir/Madam,

The Purpose of this letter is to terminate our NRC Materials License.

A close-out survey of our Nuclear Medicine department was performed on March 25, 2013 at the above address and is enclosed for your review.

The last date of use of radioactive material at this site was 01/25/13. Only unit doses were ever used.

A current copy of the leak test results for the sealed sources used at our facility is enclosed for your review.

All sealed sources were transferred to Chase Environmental Group, Inc. Commonwealth of Kentucky. Radioactive Materials License #201-605-90. Please find attached, NRC Form 314 and waste manifest shipping papers.

We did not dispose of radioactive materials by release to sewers or incineration. In addition, there were not any spills of any long-lived radioactive material or on-site burials of radioactive materials.

Thank you for your cooperation. If you have any questions or require additional information, please contact our physics consultant, Kevin B. Miller at 734-662-3197.

Respectfully Yours,



Michael Haroutunian, D.O.
Executive Manager, Personal Health Care Diagnostics

RECEIVED APR 16 2013

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 Information Services Branch (T-5 F53), U.S. Nuclear-Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.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.

CERTIFICATE OF DISPOSITION OF MATERIALS

LICENSEE NAME AND ADDRESS

Personal Health Care Diagnostic
2901 West Road
Trenton, MI 48138

LICENSE NUMBER

21-25934-01

DOCKET NUMBER

030-30674

LICENSE EXPIRATION DATE

March 31, 2014

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:
Chase Environmental Group Inc. Commonwealth of Kentucky Radioactive Material License # 201-605-90
 - 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:

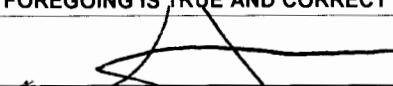
NAME KEVIN B. Miller	TITLE Physics Consultant	TELEPHONE (Include Area Code) 734-662-3197	E-MAIL ADDRESS
-------------------------	-----------------------------	---	----------------

Mail all future correspondence regarding this license to:

Mary Bruneel 22021 Ecorse Rd. Taylor MI 48180

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE Michael Haroutunian, D.O.	SIGNATURE 	DATE 4-8-13
---	---	----------------

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: March 25, 2013

Performed by: Mary Streamer, CNMT

Comments: Only unit doses were ever used.

Instruments

Wipe tests analyzed with a Capintec 3000 S/N# 900271

Instrument: Well Counter

Radionuclide: Full Spectrum MDA for Full Spectrum: 232 dpm

Date completed: 03/19/13 Conversion factor: 1.24 cpm/dpm

Area survey performed with the following survey meter:

Manufacturer: Bicon

Type: GM

Model Number: Surveyor 2000

Serial Number: A574N

Probe Model: Side Window

Annual Calibration Due: 7/13/2013

Battery check acceptable: YES

Operational check acceptable: YES

Current reading: 10.5 mR/hr

History of Radionuclides Used

Unsealed: The last date of receipt and use of radioactive material at this site was 01/25/13 for Tc-99m. No other radioactive materials were used at this location.

Sealed: All sealed sources were transferred to Chase Environmental Group, Inc. Commonwealth of Kentucky. Radioactive Material License# 201-605-90.

Last date of any byproduct radiopharmaceutical use: January 25, 2013

Visual Check: The area was checked to ensure that all radioactive materials had been removed. No evidence of radioactive material was noted.

Sealed Source Leak Testing: No history of leaks from Sealed Sources at this facility.

Radiation Level Survey: No area within the department demonstrated radiation levels in excess of the background reading of 0.02 mR/hr.

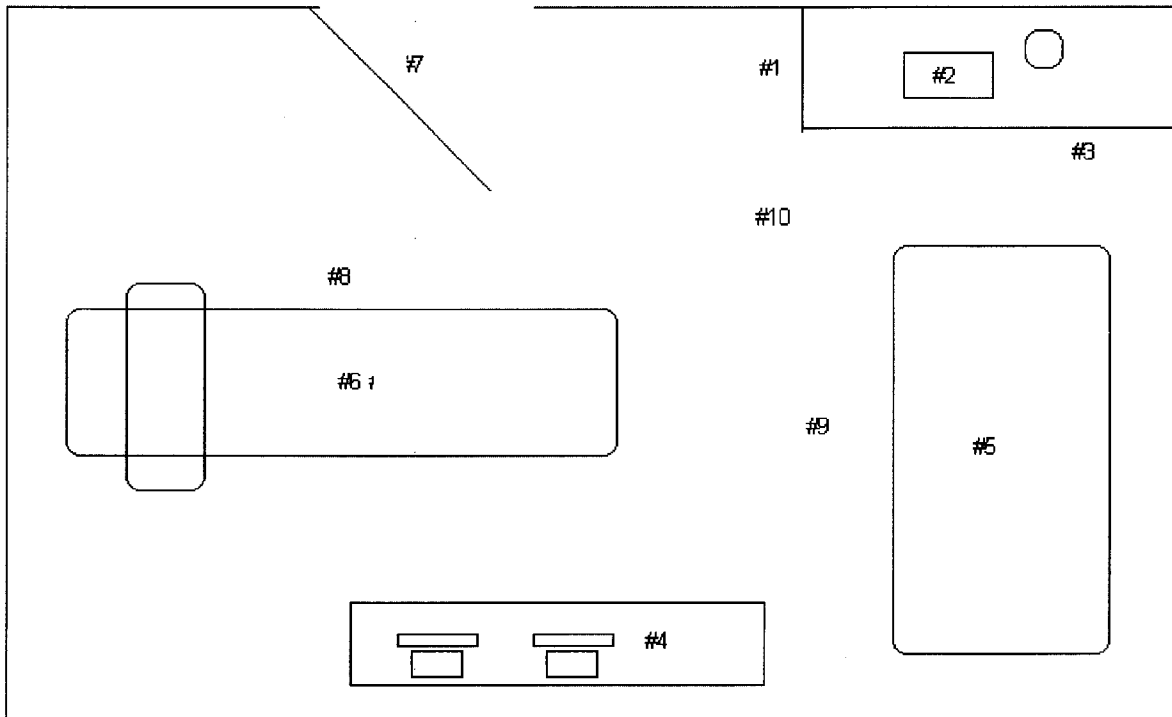
Removable Contamination: No area within the department demonstrated removable contamination in excess of 12.4 dpm's. There is no history of any spills of long-lived radioisotopes.

Conclusion: No radioactive materials remain. No removable contamination is present.

As of 03/25/13 all radioactive materials were removed from the site and no removable contamination was present.

Personal Health Care Diagnostics NRC Material License # 21-25934-01				
Date: 3/25/2013 Well Counter: Capitus 3000 Survey Meter: Bicron 2000 Calibrated 07/13/12		Performed By: Mary Streamer MDA: 232 dpm Check Value: 10.5 mR/hr		
		cpm	net dpm	mR/h
1	Package Receipt	580.00	12.4	0.02
2	Dose Prep	513.00	0	0.02
3	Waste Storage.	554.00	0	0.02
4	Control Console	531.00	0	0.02
5	Treadmill	521.00	0	0.02
6	Camera Table	558.00	0	0.02
7	Doorway	548.00	0	0.02
8	Floor	561.00	0	0.02
9	Floor	573.00	3.72	0.02
10	Floor	570.00	0	0.02
	Background	570.00	0	0.02
ACTION LEVELS: 2000 dpm < 0.2 mR/hr		Efficiency : 1.24 (dpm/cpm)		
COMMENTS: No evidence of removable contamination.				

Personal Health Care Diagnostics
2901 West Road\
Trenton, MI 48138
NRC Materials License No. 21-25934-01



- #1= PACKAGE RECIEPT AREA / FLOOR
- #2= DOSE PREP AREA
- #3= WASTE STORAGE AREA
- #4= CONTROL CONSOLE
- #5= TREADMILL
- #6= CAMERA TABLE
- #7= DOORWAY
- #8= FLOOR
- #9= FLOOR
- #10= FLOOR



Sealed Source Leak Test

Licensee: Personal Health Care Diagnostics

Date: 12/03/12

Performed by: Kevin Miller

Nuclide	Type	Calibration Activity	Calibration Date	Location	M/N	S/N
Cs-137	Vial	212 uCi	04/26/88	Cabinet	NES-356	S35600660
Current Activity: 120.04 uCi						
Ba-133	Vial	283 uCi	04/04/79	Storage	NES-358	3580479A21
Current Activity: 32.187 uCi						
Cs-137	Vial	218 uCi	05/07/79	Storage	NES-356	356579A24
Current Activity: 100.32 uCi						
Cs-137	Disc	10 uCi	05/01/88	Storage		
Current Activity: 5.664 uCi						
Ba-133	Vial	265.2 uCi	10/01/04	Cabinet	IPL	1074-18-7
Current Activity: 156.46 uCi						

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	2.0×10^{-4} uCi	145 counts/1 min
Ba-133	8.8×10^{-5} uCi	204 counts/1 min
Co-57	1.7×10^{-5} uCi	53 counts/1 min

RADIATION SAFETY OFFICER: _____

NRC FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		5. SHIPPER- NAME AND FACILITY Chase Environmental Group, Inc. 11450 Wattersen Court Louisville, KY 40299		SHIPPER ID # N/A <input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR		7. NRC FORM 540 AND 541A PAGE 1 <u>1</u> PAGE(S) 7. NRC FORM 541 AND 541A OF <u>1</u> PAGE(S) 7. NRC FORM 542 AND 542A <u>1</u> PAGE(S) ADDITIONAL INFORMATION <u>None</u> PAGE(S)		8. Manifest Number (Use this number on all continuation pages) TO-2013-068									
1. EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE) 800-424-8300		USER PERMIT NUMBER T-KY003-L13		SHIPMENT # N/A		GENERATOR TYPE (SIC CODE) TOXCO, Inc. 109 Flint Road Oak Ridge, TN 37830		9. CONSIGNEE-NAME AND FACILITY ADDRESS TOXCO, Inc. 109 Flint Road Oak Ridge, TN 37830									
ORGANIZATION Chemrec WSDS #: CHEN01RAD		CONTACT Janel Baker		TELEPHONE # 865-481-8801		SIGNATURE-Authorized consignee acknowledging waste receipt <i>[Signature]</i>		Contact Rick Low Telephone Number (include area code) 865-482-5532									
3. IF THIS WASTE IS REGULATED UNDER RCRA <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		6. CARRIER NAME AND ADDRESS SJ Transportation Co., Inc. PO Box 169 Woodstown, NJ 08098		EPA ID # NJD071629976		10. Certification I hereby certify that the hazardous waste 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 waste materials are classified, packaged, marked and labeled and are in proper condition for transportation, and disposed or otherwise managed in accordance with the requirements of RCRA parts 26 and 28, or equivalent state regulations.									
4. DOES EPA REGULATE WASTE BEING MANIFESTED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EPA MANIFEST NUMBER NA		CONTACT Kevin Elder		TELEPHONE # 856-760-2741		10. Certification I hereby certify that the hazardous waste 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 waste materials are classified, packaged, marked and labeled and are in proper condition for transportation, and disposed or otherwise managed in accordance with the requirements of RCRA parts 26 and 28, or equivalent state regulations.									
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		16. TOTAL PACKAGE ACTIVITY IN MBq		17. LSAS/CO CLASS		18. TOTAL WEIGHT OR VOLUME m³		19. ID NUMBER OF PACKAGE	
UN2915, Radioactive material, Type A package, 7 One drum with sources for disposal		Yellow II		0.1		Solid/Oxide		Ba-133; Cs-137		1.53E+01		NA		0.015		TO-SP-E-13-111	
Generator Certification Statement: The constituents of the waste manifested herein are known to the generator. There are no EPA RCRA, pathogenic or other hazards present other than those specifically listed on the Form 541.										Signature <i>Mary Streamer</i>		DATE 3/18/13					
Print name Mary Streamer										Signature <i>Mary Streamer</i>		DATE 3/18/13					

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)

Personal Health Care 3pgs

NRC FORM 541 US NUCLEAR REGULATORY COMMISSION UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION	1. MANIFEST TOTALS						2. MANIFEST NUMBER	
	NUMBER OF PACKAGES	NET WASTE VOL. m3	NET WASTE WEIGHT kg	SPECIAL NUCLEAR MATERIAL (grams)			TO-2013-068	
	1	0.019	215	U-233	U-235	PU		
				NP	NP	NP	NP	
	ACTIVITY (MBq/mCi)						SOURCE (kg)	
ALL NUCLIDES			TRITIUM	C-14	Tc-99	I-129	4. SHIPPER NAME	
1.53E+01 MBq			NP	NP	NP	NP	Chase Environmental Group	
4.12E-01 mCi							SHIPPER ID NUMBER	
							N/A	

DISPOSAL CONTAINER DESCRIPTION						WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER										16. WASTE CLASS
5. CONTAINER IDENTIFICATION NUMBER GENERATOR NUMBER	6. CONTAINER DESCRIPTION (See Note 1)	7. VOLUME (m3)	8. WASTE AND CONTAINER WEIGHT (kg)	9. SURFACE RADIATION LEVEL X, mSv/hr	10. SURFACE CONTAMINATION MBq/100 cm2	11. WASTE PHYSICAL DESCRIPTION			14. CHEMICAL DESCRIPTION			15. RADIOLOGICAL DESCRIPTION			17. WASTE CLASS	
						11. WASTE DESCRIPTION (See Note 2)	12. APPROXIMATE WASTE VOLUME (m3)	13. SOLIDIFICATION STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM / CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 5%	INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT)	18. WASTE CLASS				
TO-SP-E-13-111 1202	4	0.019	215	8.0	<3.67E-6	<3.67E-5	36	0.019	100	Oxide/NP	NP	Ba-133 Cs-137	6.82E+00 8.44E+00	1.84E-01 2.28E-01	NA	
												Package total	1.63E+01	4.12E-01		

NOTE 1: Container Description Codes. For containers
 Waste requiring disposal in approved structural enclosures, the name of code must be followed by "OP".

1. Wooden Box or Crate	9. Drum/Canister	20. Ceramic	29. Engraving Stone/Sludge
2. Metal Box	10. Gas Cylinder	21. Incinerator Ash	30. Solids Ion Exchange Media
3. Plastic Drum or Pail	11. Ink, Manufacturing Waste	22. Soil	31. Arsenic Exchange Media
4. Metal Drum or Pail	12. Disposed Components	23. Gas	32. Mixed Ion Exchange Media
5. Metal Tanker Liner	13. Disposed Containers	24. Oil	33. Carbonized Equipment
6. Concrete Tank or Liner	14. High Integrity Container	25. Aqueous Liquid	34. Organic Liquid (Except Oil)
7. Polyethylene Tank or Liner	15. Other, describe in item 16, or additional page	26. Filter Media	35. Gases or Liquors
8. Fiberglass Tank or Liner		27. Mechanical Filter	36. Sealed Source/Device
		28. EPA or State Manifest	37. Paint or Plating

Note 2: Waste Description Codes. (Choose up to five which pertain to the waste.)

38. Ceramic	46. Engraving Stone/Sludge
39. Concrete	47. Engraving Stone/Sludge
40. Corrosive	48. Engraving Stone/Sludge
41. Flammable	49. Engraving Stone/Sludge
42. Inert	50. Engraving Stone/Sludge
43. Non-hazardous	51. Engraving Stone/Sludge
44. Organic	52. Engraving Stone/Sludge
45. Radioactive	53. Engraving Stone/Sludge

Note 3: For identification codes that meet disposal site structural stability requirements, the chemical code must be followed by "S". For all identification codes, the vendor (manufacturer) and brand name must also be identified in item 13. Check 100 = NONE REQUIRED.

54. Solids	62. Flux Dry	70. Filter Media	78. Other, describe in item 13, or additional page
55. Solids	63. Flux Dry	71. Filter Media	79. Other, describe in item 13, or additional page
56. Solids	64. Flux Dry	72. Filter Media	80. Other, describe in item 13, or additional page
57. Solids	65. Flux Dry	73. Filter Media	81. Other, describe in item 13, or additional page
58. Solids	66. Flux Dry	74. Filter Media	82. Other, describe in item 13, or additional page
59. Solids	67. Flux Dry	75. Filter Media	83. Other, describe in item 13, or additional page
60. Solids	68. Flux Dry	76. Filter Media	84. Other, describe in item 13, or additional page
61. Solids	69. Flux Dry	77. Filter Media	85. Other, describe in item 13, or additional page

NRC FORM 542 (5-1998)		U.S. NUCLEAR REGULATORY COMMISSION		1. WASTE COLLECTOR/PROCESSOR				2. MANIFEST NUMBER			
UNIFORM NARM RADIOACTIVE WASTE MANIFEST				NAME Chase Environmental Group, Inc.		SHIPPER USE ONLY		TO-2013-058			
				IDENTIFICATION NUMBER T-KY003-L13							
MANIFEST INDEX AND REGIONAL CONTACT TABULATION List all original "PROCESSED WASTE" before "COLLECTED WASTE".				SHIPPING DATE 3/18/2013				PAGE 1 OF 1 PAGE(S)			
4. GENERATOR IDENTIFICATION NUMBER	5. GENERATOR NAME PERMITS NUMBER AND TELEPHONE NUMBER	6. GENERATOR FACILITY ADDRESS	7. PREPROCESSED WASTE (OR MATERIAL) VOLUME (g)	8. MANIFEST NUMBER UNDER WHICH WASTE RECEIVED AND DATE OF RECEIPT	9. WASTE CODE	10. COUNTY OR STATE	11. AS PROCESSED/COLLECTED TOTAL				
							A. SOURCE MATERIAL (kg)	B. SNM (g)	C. ACTIVITY (MBq)	D. VOLUME (m3)	
1202	Personal Health Care Diagnostics 734-552-1664	2901 West Road Trenton, MI 48183	0.019	NA	C	MI	NP	NP	1.53E+01	0.019	
TOTALS OF ALL PAGES (NRC FORMS 542 AND 542A)							0.000	0.000	1.53E+01	0.019	

PERSONAL HEALTH CARE DIAGNOSTICS
2901 WEST ROAD
TRENTON, MI 48183



7010 1870 0000 2699 7829

CPU U.S. POSTAGE

\$7.170



PAID 0.000
366420
POME
MAILED APR 12 2013
48183

Metroplex MI 48183 ZIP
FRI 12 APR 2013 5PM



U.S. NUCLEAR REGULATORY COMMISSION
Region III, Office of Materials Licensing
2443 Warrenville Road, Suite 210
Lisle, IL 60532-4352