Waterbury Hospital

Waterbury HEALTH

June 19, 2025

Kelli Trotter, Health Physicist
U. S. Nuclear Regulatory Commission
Medical and Licensing Assistance Branch
Division of Radiological Safety and Security
Region I

SUBJECT: PROSPECT WATERBURY, INC. D/B/A THE WATERBURY HOSPITAL, REQUEST FOR ADDITIONAL INFORMATION, MAIL CONTROL NO. 646984

Dear Kelli Trotter;

This is in reference to your letter dated June 3, 2025, requesting clarifying information to amend NRC License No. 06-02406-01.

1.) Regarding the removal of the authorized licensed material, we are requesting to remove the authorization for any byproduct material permitted by 10 CFR 35.500 under our license. And we acknowledge that the authorization will also be removed from the authorized users.

2.) The documentation of the sealed sources removed by Chase Environmental Group, Inc. is attached

If you require any additional information, please contact our Radiation Safety Officer, William J. Roch. Mr. Roch can be reached via email: broch@biomedphysics.com

Respectfully,

Marc Brunetti
Sr. Vice President and Chief Operating Officer
Waterbury Hospital

License No. 06-02406-01
Docket No. 030-01251
Mail Control No. 646984

Eckert & Ziegler
Isotope Products

Medical Imaging Laboratory
24937 Avenue Tibbitts Valencia, California 91355
Tel 661·309·1010 Fax 661·257·8303

Industrial Gauging Laboratory and Medical Imaging Laboratory
1800 North Keystone Street Burbank, California 91504
Tel 661·309·1010 Fax 661·257·8303

GADOLINIUM-153 TRANSMISSION LINE SOURCE PERFORMANCE EVALUATION SHEET

NUCLIDE: Gd-153
CATALOG NO.: NES8412

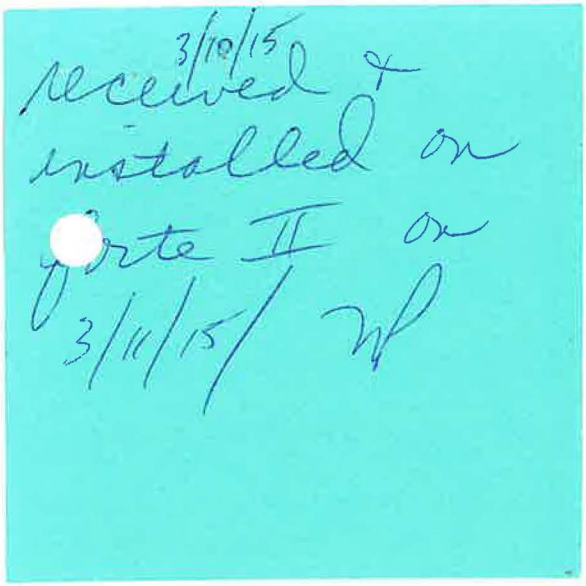
QUANTITY: 2
REFERENCE DATE: 1 Mar 15

SERIAL NUMBER	ACTIVITY
M2 - 929	250 mCi (9.25 GBq)
M2 - 930	250 mCi (9.25 GBq)

SOURCE EMISSION UNIFORMITY

The line source was scanned along its length in 1.0-centimeter segments. The integral of non-uniformity (INU) of the source was determined to be less than 10%.

*LEAK TEST INFORMATION IS ON THE REVERSE SIDE



LAB BOOK-PAGE: 1810 - 01

2-Mar-15
SIGNATURE | DATE

Eckert & Ziegler

PACKING SLIP

Order No	Date	Page No
264689	3/5/2015	1 of 1

Customer P/O Number	Shipment Number
6000335829	

Eckert & Ziegler Isotope Products,
24937 Avenue Tibbitts
Valencia, CA 91355

Tel (661) 309-1010
Fax (661) 257-8303

Bill to:
Philips Medical Systems, N.A.
818 SW 3rd Avenue, Box #12
Portland, OR 97204
United States

Shipped To
Waterbury Hospital Health Center
Scott Eisenman 203-410-8137
64 Robbins Street
Waterbury, CT 06721
United States

Tracking number

Customer No	Ship Date	Ship via	Delivery terms	Ship Carrier#	Shipping Instructions
PHIMED03	3/5/2015	Fed Exp P1	Collect FOB:O	2333 2344 6	

Item number	Description	Unit	Delivered	Ordered	Remaining quantity
Kit item: PHL-Forte	**Kit: Kit_081 Kit ID: LID_02029383**				
PHL-Forte	*Philips-Attenuation Correction Rod Kit. For Philips Forte (and other Philips Cameras)*	*Ea*	*1.000*	*1.000* ***Line no. : 1.0***	
NES8412	*CE Mark2:Gd-153 250mCi(9.25GBq)per Line Source,Nominal,+20% /-10% Philips Medical Part # 9896-057-0071*	*Ea*	*2.000*	*2.000* ***Line no. : 1.0***	
Quantity : 1.00 Serial number : M2-929 Quantity : 1.00 Serial number : M2-930					
078410	*LEAD STORAGE CONT. Gd-153 22" Dupont drawing B003025 Philips Medical Part # 9896-057-0010*	*Ea*	*3.000*	*3.000* ***Line no. : 1.0***	

Receipt: _____

NRC FORM 540 — U.S. NUCLEAR REGULATORY COMMISSION

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1. EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE): 800-424-9300
ORGANIZATION: CHEMTREC WSDS #: CHEN01RAD Customer #: 4395

2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? [ ] YES [X] NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST: 2

4. DOES EPA REGULATED WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? [ ] YES [x] NO

EPA MANIFEST NUMBER: N/A

5. SHIPPER- NAME AND FACILITY
Chase Environmental Group, Inc.
11450 Watterson Court
Louisville, KY 40299

USER PERMIT NUMBER: T-KY003-L21 SHIPMENT #: N/A

CONTACT: Seb Cannata

6. CARRIER NAME AND ADDRESS
SJ Transportation Co., Inc.
PO Box 169
Woodstown, NJ 08098

CONTACT: Vince Mroz

SIGNATURE:

SHIPPER ID #: N/A
[X] COLLECTOR [ ] PROCESSOR

GENERATOR TYPE (SPECIFY)

TELEPHONE #: 800-306-0195

EPA ID #: NJD071629976

SHIPPING DATE: 11/23/2021

TELEPHONE #: 856-994-5118

DATE: 11/23/2021

NRC FORM 540 AND 540A PAGE 1 1 PAGE(S)
NRC FORM 541 AND 541A OF 1 PAGE(S)
NRC FORM 542 AND 542A 1 PAGE(S)
ADDITIONAL INFORMATION None PAGE(S)

7. CONSIGNEE-NAME AND FACILITY ADDRESS
Alaron Corporation
2138 State Route 18
Wampum, PA 16157

SIGNATURE (Authorized consignee signature upon receipt): Brett Thurston

8. Manifest Number (Use this number on all continuation pages): AL-2021-310

Contact: Julian Owoc
Telephone Number (Include area code): 724-535-5777

Date: 12/7/2021

10. Certification

This is to certify that the herein-named materials are acceptable for disposal, 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 and the Commission.

AUTHORIZED SIGNATURE: [signature]

TITLE: Technician / Driver

DATE: 11/23/2021

HM	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. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME m^3	19. ID NUMBER OF PACKAGE
X	UN2911, Radioactive material, excepted package-articles, 7 Flood source in a lead lined box for disposal	N/A	N/A	Solid/Oxide	Co-57	8 14E+00	N/A	0.022	AL-SS-W-21-347
X	UN2910, Radioactive material, excepted package-limited quantity of material, 7 Sealed sources for disposal	N/A	N/A	Solid/Oxide	Co-57; Gd-153	8 63E+02	N/A	0.057	AL-SS-W-21-348

RECEIVED
Shipment 21-0493
DEC 07 2021
Alaron Nuclear Services

Emergency Response Guide Book References:
11-1 ERG# 161
11-2 ERG# 161

Generator: Waterbury Hospital

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.

William Scott
Print name

[signature]
Signature

11/23/2021
Date

NRC FORM 540 (6-1998)

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)

NRC FORM 541 — US NUCLEAR REGULATORY COMMISSION

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST
CONTAINER AND WASTE DESCRIPTION

1. MANIFEST TOTALS

NUMBER OF PACKAGES	NET WASTE VOL. m3/ft3	NET WASTE WEIGHT kg	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	TOTAL
2	0.079 2.8		NP	NP	NP	NP

ACTIVITY (MBq/mCi) ALL NUCLIDES	TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)
8.71E+02 MBq 2.35E+01 mCi	NP	NP	NP	NP	NP

2. MANIFEST NUMBER AL-2021-310

3. PAGE 1 OF 1 PAGE(S)

4. SHIPPER NAME: Chase Environmental Group

SHIPPER ID NUMBER: NA

DISPOSAL CONTAINER DESCRIPTION / WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER

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_ uSv/hr ___ mSv/hr	10. SURFACE CONTAMINATION MBq/100 cm2 ALPHA	BETA-GAMMA	PHYSICAL DESCRIPTION 11. WASTE DESCRIPTOR (See Note 2)	12. Approximate WASTE VOLUME(S) IN CONTAINER (m3)	13. SORBENT SOLIDIFICATION STABILIZATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION CHEMICAL FORM / CHELATING AGENT	WEIGHT % CHELATING AGENT IF > 0.1%	15. RADIOLOGICAL DESCRIPTION INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL: OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT Nuclide	MBq	mCi	16. WASTE CLASS AS-A STABLE AU-A UNSTABLE B-CLASS B C-CLASS C
AL-SS-W-21-347 0228	19 Shielded Case	0.022			<3.67E-6	<3.67E-5	36	0.022	100	Oxide/NP	NP	Co-57	8.14E+00	2.20E-01	NA
												Package total	**8.14E+00**	**2.20E-01**	
AL-SS-W-21-348 0228	4	0.057			<3.67E-6	<3.67E-5	36	0.057	100	Oxide/NP	NP	Co-57 Gd-153	1.98E+02 6.65E+02	5.34E+00 1.80E+01	NA
												Package total	**8.63E+02**	**2.33E+01**	

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

1. Wooden Box or Crate
2. Metal Box
3. Plastic Drum or Pail
4. Metal Drum or Pail
5. Metal Tank or Liner
6. Concrete Tank or Liner
7. Polyethylene Tank or Liner
8. Fiberglass Tank or Liner
9. Demineralizer
10. Gas Cylinder
11. Bulk, Unpackaged Waste
12. Unpackaged Components
13. High Integrity Container
19. Other. describe in Item 6, or additional page

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

20. Charcoal
21. Incinerator Ash
22. Soil
23. Gas
24. Oil
25. Aqueous Liquid
26. Filter Media
27. Mechanical Filter
28. EPA or State Hazardous
29. Demolition Rubble
30. Cation Ion Exchange Media
31. Anion Ion Exchange Media
32. Mixed Bed Ion Exchange Media
33. Contaminated Equipment
34. Organic Liquid (Except Oil)
35. Glassware or Labware
36. Sealed Source/Device
37. Paint or Plating
38. Evaporator Bottoms/Sludges/ Concentrates
39. Compactible Trash
40. Noncompactible Trash
41. Animal Carcass
42. Biological Material (Except Animal Carcass)
43. Activated Material
59. Other. Describe in Item 11, or Additional Page

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
60. Speedi Dri
61. Celetom
62. Floor Dry/ Superfine
63. HI Dri
64. Safe-T-Sorb
65. Safe-N-Dri
66. Florco
67. Florco X
68. Solid-A-Sorb
69. Chemsil 30
70. Chemsil 50
71. Chemsil 3030
72. Dicaperl HP200
73. Dicaperl HP500
74. Petroset
75. Petroset II
76. Aquaset
77. Aquaset II
89. Other. Describe in Item 13, or additional page

Solidification
90. Cement
91. Concrete (Encapsulation)
92. Bitumen
93. Vinyl Chloride
94. Vinyl Ester Styrene
99. Other. Describe in Item 13, or Additional Page
100. None Required

NRC FORM 541 (5-1998)

NRC FORM 542 U.S. NUCLEAR REGULATORY COMMISSION

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

MANIFEST INDEX AND REGIONAL COMPACT TABULATION

List all original "PROCESSED WASTE" before "COLLECTED WASTE".

1. WASTE COLLECTOR/PROCESSOR

NAME: Chase Environmental Group, Inc.

IDENTIFICATION NUMBER: T-KY003-L21

SHIPPING DATE: 11/23/2021

SHIPPER USE ONLY

2. MANIFEST NUMBER: AL-2021-310

3. PAGE 1 OF 1 PAGE(S)

4. GENERATOR IDENTIFICATION NUMBER	5. GENERATOR NAME PERMIT NUMBER AND TELEPHONE NUMBER	6. GENERATOR FACILITY ADDRESS	7. PREPROCESSED WASTE (OR MATERIAL) VOLUME (m3)	8. MANIFEST NUMBER UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT	9. WASTE CODE P-PROCESSED C-COLLECTED	10. ORIGINATING COMPACT OR STATE	11. AS PROCESSED/COLLECTED TOTAL A. SOURCE MATERIAL (kg)	B. SNM (g)	C. ACTIVITY (MBq)	D. VOLUME (m3)
0228	Waterbury Hospital	64 Robbins Waterbury, CT 06708	0.079	NA	C	CT	NP	NP	8.71E+02	0.079
TOTALS OF ALL PAGES (NRC FORMS 542 AND 542A)							0.00E+00	0.00E+00	8.71E+02	7.90E-02

NRC FORM 542 (5-1998)

TEXAS
LOW LEVEL RADIOACTIVE
WASTE DISPOSAL
COMPACT COMMISSION

TX
VT

GENERATOR AUTHORIZATION

DATE: 11/23/2021

NAME OF ORIGINAL GENERATOR: Waterbury Hospital

Authorizes

NAME OF BROKER/PROCESSOR: Alaron Nuclear Services

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: Ervina Seferi

TITLE: Lead Nuc-Med Tech

MAILING ADDRESS: 64 Robbins St.
Waterbury, CT 06708

SIGNATURE: RSO

Request For Shipment of Sealed Sources to Alaron **WI-VE-1109-051.1**

Source Details	Source 1	Source 2	Source 3	Source 4
1. Radionuclide	Multiple			
2. Total activity Specify Units (TBq or Ci) to right	See Attached Inventory			
3. Reference date for activity (date manufactured) mm/dd/yyyy	See Attached Inventory			
4. Decay corrected activity on shipment date	See Attached Inventory			
5. Source manufacturer (if known)	See Attached Inventory			
6. Source Serial No. / Model No. / Device License No.	See Attached Inventory			
7. Physical Dimensions of Source Specify Units (cm or in) to right	See Attached Inventory			
8. Source mounted in equipment? If yes, attach drawings / photograph or manufacturer & model no.	No			
9. Date of most recent leak test (attach copy of results) mm/dd/yyyy				
10. Source damaged, discolored, leaking, or contaminated? If yes, attach detail	No			
11. Does source have special form approval? If yes, supply copy of certificate	No			

12. Shipper name & address Chase Environmental Group 200 Sam Raybum Pkwy Lenoir City, TN 37771	13. Shipper contact person: Seb Cannata Telephone: 860-55-8109	14. Delivering carrier: SJ Transportation Co., Inc.	
	15. Shipment Date mm/dd/yyyy: 11/23/2021	16. Estimated delivery date mm/dd/yyyy:	
17. Source owner company name and address (at source location) Waterbury Hospital 64 Robbins St Waterbury, CT 06708	18. Contact person (at source location): Ervina Seferi Telephone: 203-575-5249	19. Number of packages: 2 Total weight lbs:	
	Comments		

20. I attest that the above is complete and accurate

William Roch RSO Printed name of Shipper or Source Owner	Signature of Shipper or Source Owner	11/23/2021 Date

Chase approval signature	11/23/2021 Date	Alaron approval signature	Date

	A	B	C	D	E	F	G	H	I	J	K
1	**Radionuclide**	**Total Activity (mCi)**	**Assay date**	**Decayed activity (mCi)**	**Serial #, Model #**	**Dimensions**	**In Equipment**	**Leak Test**	**Damaged**	**Special Form**	
2	Co57		9/1/2019	5.341	2090-29-5/SRV-057-5M	Resin Vial	No	No	No	No	
3	Co57	10.000	8/1/2017	0.22	1960-049/MED3709	Flood Source	No	No	No	No	
4	Gd153	2.500E+02	7/1/2018	8.72	Q6481	Line Source	No	No	No	No	
5	Gd153	250.000	7/1/2018	8.72	Q6482	Line Source	No	No	No	No	
6	Gd153	250.000	3/10/2015	0.267	M2-929	Line Source	No	No	No	No	
7	Gd153	2.50E+02	3/10/2015	0.267	M29-930	Line Source	No	No	No	No	