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John Nicholson
US Nuclear Regulatory Commission
Division of Nuclear Material Safety
Medical Branch
Region 1 Office

Dear Mr. Nicholson:

In followup to my letter dated February 13, 2015, the last patient in our nuclear medicine department was seen on February 20, 2015. The radiopharmaceuticals that we used before we closed our nuclear medicine service were Technetium-99m, and I-123. We also used I-131 sodium iodide occasionally for treatment of hyperthyroidism. In the past we have used Gallium 67, Indium 111, Thallium 201 but we have not used these in many years.

Our physicist performed the close out survey on 4/29/15 after the sealed sources were removed on 4/28/15. Our last sealed source leak was performed November 11, 2014.

Please see enclosed documents for details.

Please feel free to call me at 202-223-9722 ext. 1705.

Sincerely,

Gary L. Rose, M.D.
Director of Nuclear Medicine
Washington Radiology Associates
2141 K St, N.W., Suite #900
Washington, DC 20037

L7

03032755

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NMSS/RGN1 MATERIALS-002

NRC FORM 540		5. SHIPPER- NAME AND FACILITY Chase Environmental Group, Inc. 11450 Watterson Court Louisville, KY 40299		SHIPPER ID # N/A		7. NRC FORM 540 AND 540A PAGE 1 OF 1 NRC FORM 541 AND 541A OF 1 NRC FORM 542 AND 542A OF 1 ADDITIONAL INFORMATION None		8. Manifest Number (Use this number on all continuation pages) AL-2015-075	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER				USER PERMIT NUMBER T-KY003-L15		SHIPMENT # N/A		9. CONSIGNEE-NAME AND FACILITY ADDRESS Alaron Corporation 2138 State Route 18 Wampum, PA 16157	
1. EMERGENCY TELEPHONE NUMBE (INCLUDE AREA CODE) 800-424-9300				CONTACT Janet Baker		TELEPHONE # 865-250-4593		Contact Mike Ottowski	
ORGANIZATION Chemtrec WSDS #: CHEN01RAD				6. CARRIER NAME AND ADDRESS Chase Environmental Group 11450 Watterson Court Louisville, KY 40299		EPA ID #		Telephone Number (Include area code) 724-535-5777	
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? [] YES [x] NO		3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 1		CONTACT Jim Cabage Jr.		SHIPPING DATE 4/28/2015		Date	
4. DOES EPA REGULATE WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? [] YES [x] NO		EPA MANIFEST NUMBER NA		SIGNATURE 		TELEPHONE # 865-851-5503		SIGNATURE-Authorized consignee acknowledging waste receipt	
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 packaging according to the requirements of 49CFR parts 20 and 61, or equivalent state regulations.									
AUTHORIZED SIGNATURE 		TITLE Rad Waste Specialist		DATE 4/28/15		DATE 4/28/15			
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	
UN2915 Radioactive material, Type A package, 7 One drum with sources for disposal		Yellow-II		0.1		Solid/Oxide		Co-57; Cs-137	
16. TOTAL PACKAGE ACTIVITY IN MBq		17. LSA/SCO CLASS		18. TOTAL WEIGHT OR VOLUME m³		19. ID NUMBER OF PACKAGE			
1.14E+02		NA		0.019		AL-SS-W-15-181			
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.									
Steve Hauer Print name					 Signature				
					4/28/15 Date				

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION				1. MANIFEST TOTALS							2. MANIFEST NUMBER				
				NUMBER OF PACKAGES	NET WASTE VOL. m3/23	NET WASTE WTGT kg	SPECIAL NUCLEAR MATERIAL (grams)								
				1	0.019	10.0	U-233	U-235	Pu	TOTAL					
					0.68		NP	NP	NP	NP					
				ACTIVITY (MBq/mCi)						SOURCE (kg)					
				ALL NUCLIDES	TRITIUM	C-14	To-99	I-129		0.00E+00					
				1.14E+02 MBq	NP	NP	NP	NP							
				3.09E+00 mCi											
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_uSv/hr	10. SURFACE CONTAMINATION MBq/100 cm2		11. WASTE DESCRIPTION		12. APPROXIMATE WASTE VOLUMES IN CONTAINER (m3)	13. SOLIDIFICATION MEDIA (See Note 3)	14. CHEMICAL DESCRIPTION	15. RADIOLOGICAL DESCRIPTION			16. WASTE CLASS
					ALPHA	BETA-GAMMA						INDIVIDUAL RADIONUCLIDES AND ACTIVITY (MBq) AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT			
												Nuclide	MBq	mCi	
AL-SS-W-15-181 1461	4	0.019	10.0	10	<3.67E-6	<3.67E-5	36	0.019	100	Oxide/NP	NP	Co-57	1.09E+02	2.94E+00	NA
												Cs-137	5.53E+00	1.49E-01	
												Package total	1.14E+02	3.09E+00	

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

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

20. Charcoal	29. Demolition Rubble	38. Evaporator Bottoms/Sludges/Concentrates
21. Incinerator Ash	30. Cation 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. Contaminated Equipment	42. Biological Material (Except Animal Carcass)
25. Aqueous Liquid	34. Organic Liquid (Except Oil)	43. Activated Material
26. Filter Media	35. Glassware or Labware	59. Other, Describe in item 11, or Additional Page
27. Mechanical Filter	36. Sealed 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
60. Speedi Ori	66. Flocc
61. Celatom	67. Flocc X
62. Floor Dry/Superfine	68. Solid-A-Sorb
63. Hi Ori	69. Chemall 30
64. Safe-T-Sorb	70. Chemall 50
65. Safe-N-Ori	71. Chemall 3030
	72. Diaport HP500
	73. Diaport HP500
	74. Petrocast
	75. Petrocast II
	76. Aquasol
	77. Aquasol II
	78. 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
	100. None Required

NRC FORM 542 (5-1998)			U.S. NUCLEAR REGULATORY COMMISSION			1. WASTE COLLECTOR/PROCESSOR NAME Chase Environmental Group, Inc. IDENTIFICATION NUMBER T-KY003-L15 SHIPPING DATE 4/28/2015				2. MANIFEST NUMBER AL-2015-075 3. PAGE_1_OF_1_PAGE(S)	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST MANIFEST INDEX AND REGIONAL COMPACT TABULATION List all original "PROCESSED WASTE" before "COLLECTED WASTE".											
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	10. ORIGINATING COMPACT OR STATE	11. AS PROCESSED/COLLECTED TOTAL				
1461	Washington Radiology Associates 202-223-9723 x1201	2141 K. Street NW, Suite 900 Washington, DC 20037	0.019	NA	C	DC	A. SOURCE MATERIAL (kg)	B. SNM (g)	C. ACTIVITY (MBq)	D. VOLUME (m3)	
TOTALS OF ALL PAGES (NRC FORMS 542 AND 542A)							0.000	0.000	1.14E+02	0.019	