

Solutient
Technologies, LLC

SOLUTIENT TECHNOLOGIES, LLC
6616 PROMWAY AVENUE, NW
NORTH CANTON, OHIO 44720
PHONE: (330) 497-5905
FAX: (330) 497-2045

DATE: 27 July 2015

TO: Mr. Blake Welling, Branch Chief
Nuclear Materials Safety Branch
U.S. Nuclear Regulatory Commission Region 1
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713
E-mail: blake.welling@nrc.gov

FROM: Randy Farneth
Corporate Account Manager
E-mail: rfarneth@solutientech.com

RE: Termination of General License # GL-5599216

Solutient Technologies, LLC (Solutient) holds Ohio Radioactive Materials License 03219 77 0000, expiration date 1 May 2016. Solutient was contracted by American Electric Power (AEP) to leak test, remove, containerize, label, and transport for disposal a total of eight (8) radioactive sources utilized to measure the volume of fly ash in a series of bins on board their facility located at their Appalachian Power Company AEP Kanawha River Facility at US Route 60, Glasgow, WV 25086. Additionally, Solutient accepted responsibility for assisting AEP with termination of their general license due in part to staff reductions at the AEP Kanawha River facility.

Solutient performed the requisite leak tests and removed the devices from service on 13 July 2015. Said devices were containerized in Type A steel 55-gallon drums, properly labelled and secured on site for a period of seven days awaiting transportation for disposal. On 21 July 2015 Solutient effected the transportation for disposal of the devices. On 24 July 2015 Solutient received documentation indicating that the devices were received for processing at the Alaron Corporation, Wampum, PA facility.

The attached paperwork is submitted in support of AEP's request for termination of their general license # GL-5599216:

- (1) Inventory of Devices
- (2) Current Leak Test Results
- (3) Uniform Low-Level Radioactive Waste Manifest
- (4) Notice of Receipt by Processor

Thank you for your assistance in terminating the Appalachian Power Company AEP Kanawha River facility general license # GR-5599216. Should you have any questions regarding this request, please contact the undersigned at 330-497-5905 or via e-mail at rfarneth@solutientech.com.

Respectfully,
SOLUTIENT TECHNOLOGIES, LLC


Randy Farneth



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 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.

LICENSEE NAME AND ADDRESS

AMERICAN ELECTRIC POWER
US RTE 60
GLASGOW, WV 25086

LICENSE NUMBER

6L-5599216

DOCKET NUMBER

55992

LICENSE EXPIRATION DATE

9/30/15

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: ACARON CORPORATION AS PROCESSOR
INTO WCS, ANDREWS, TX
- ☒ 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

R. FARNETH

TITLE

PROJ MGR

TELEPHONE (Include Area Code)

330-497-5905

E-MAIL ADDRESS

rfarneth@solutiontech.com

Mail all future correspondence regarding this license to:

C. CERTIFYING OFFICIAL

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

PRINTED NAME AND TITLE

R. FARNETH, PROJ MGR

SIGNATURE

DATE

7-24-15

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.



Sealed Source Leak Test Spreadsheet

(8) Cs-137 sources removed from hoppers							
Source ID	Radionuclide	Activity (Curies)	Serial Number	Wipe Date	Wipe Test Result uCi	Regulatory Limit uCi	Test Result
B 2787	Cs-137	0.1	B 2787	7/13/2015	1.79E-08	5.00E-03	PASS
B 2788	Cs-137	0.1	B 2788	7/13/2015	2.41E-07	5.00E-03	PASS
B 2789	Cs-137	0.1	B 2789	7/13/2015	4.46E-08	5.00E-03	PASS
B 2790	Cs-137	0.1	B 2790	7/13/2015	0.00E+00	5.00E-03	PASS
B 2791	Cs-137	0.1	B 2791	7/13/2015	0.00E+00	5.00E-03	PASS
B 2792	Cs-137	0.1	B 2792	7/13/2015	7.14E-08	5.00E-03	PASS
B 2793	Cs-137	0.1	B 2793	7/13/2015	0.00E+00	5.00E-03	PASS
B 2794	Cs-137	0.1	B 2794	7/13/2015	5.36E-08	5.00E-03	PASS

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2787

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

3

1

2

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 1.79E-08 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0×10^{-3}) microcuries or more of activity during the wipe test.

Assay Number: 071415-1

Assay Date: 7/14/2015

Performed by: G.McFeely

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2788

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

28

1

27

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 2.41E-07 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0 x 10E-3) microcuries or more of activity during the wipe test.

Assay Number: 071415-2

Assay Date: 7/14/2015

Performed by: G.McFeely

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2789

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

6

1

5

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 4.46E-08 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0×10^{-3}) microcuries or more of activity during the wipe test.

Assay Number: 071415-3

Assay Date: 7/13/2015

Performed by: G.McFeely

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2790

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

1

1

0

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 0.00E+00 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0×10^{-3}) microcuries or more of activity during the wipe test.

Assay Number: 071415-4

Assay Date: 7/13/2015

Performed by: G.McFeely

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2791

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

1

1

0

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 0.00E+00 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0×10^{-3}) microcuries or more of activity during the wipe test.

Assay Number: 071415-5

Assay Date: 7/14/2015

Performed by: G.McFeely

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2792

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

9

1

8

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 7.14E-08 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0×10^{-3}) microcuries or more of activity during the wipe test.

Assay Number: 071415-6

Assay Date: 7/14/2015

Performed by: G.McFeely

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2793

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

1

1

0

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 0.00E+00 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0×10^{-3}) microcuries or more of activity during the wipe test.

Assay Number: 071415-7

Assay Date: 7/14/2015

Performed by: G.McFeely

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2794

Activity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross

Bkg

Net

7

1

6

$$\frac{\text{Net CPM}}{\text{Efficiency} \times 2.22 \times 10^6 \text{ DPM/ } \mu\text{Ci}} = \text{microcurie}$$

The removable activity was: 5.36E-08 microcuries

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatory requirements. The regulations define a leaking source as one which results in the removal of 0.005 (5.0×10^{-3}) microcuries or more of activity during the wipe test.

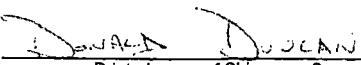
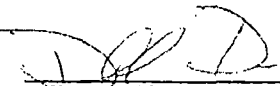
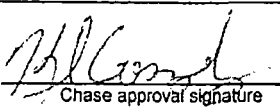

Assay Number: 071415-8

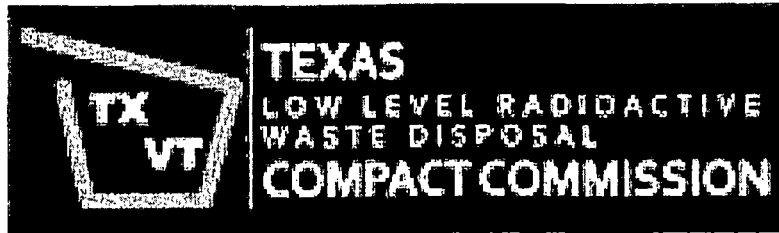
Assay Date: 7/14/2015

Performed by: G.McFeely

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		Cs-137			
2. Total activity Specify Units (TBq or Ci) to right		1.0E-01 Ci x 10 sources			
3. Reference date for activity (date manufactured) mm/dd/yyyy		2/28/1991			
4. Decay corrected activity on shipment date		5.71E-02 Ci x10 sources			
5. Source manufacturer (if known)		See Attached			
6. Source Serial No. / Model No. / Device License No.		See Attached			
7. Physical Dimensions of Source Specify Units (cm or in) to right		See Attached			
8. Source mounted in equipment? If yes, attach drawings / photograph or manufacturer & model no.		YES			
9. Date of most recent leak test (attach copy of results) mm/dd/yyyy		7/14/2015			
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 109 Flint Road Oak Ridge, TN 37830	13. Shipper contact person Janet Baker Telephone 865-250-4593	14. Delivering carrier SJ Transportation Co., Inc.	15. Shipment Date mm/dd/yyyy 07/21/2015	16. Estimated delivery date mm/dd/yyyy	
17. Source owner company name and address (at source location) AEP Kanawha River US Route 60 Glasgow, WV 25086	18. Contact person (at source location) Donald Duncan Telephone 304-348-4751 Comments	19. Number of packages 2 Total weight lbs 400			
20. I attest that the above is complete and accurate					
 Printed name of Shipper or Source Owner		 Signature of Shipper or Source Owner		07-21-2015 Date	
 Chase approval signature		7-21-15 Date		 Alaron approval signature	
				Date	



GENERATOR AUTHORIZATION

DATE: 07-21-2015

NAME OF ORIGINAL GENERATOR: KANAWHA RIVER PLANT

Authorizes

NAME OF BROKER/PROCESSOR: Alaron Corporation

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:

Donald Duncan
(PRINT NAME)

TITLE:

ENVIRONMENTAL COORDINATOR
(PRINT TITLE)

MAILING ADDRESS:

1 AEP WAY
GLASGOW, WV
25086

SIGNATURE:

[Signature]

[illegible]

NRC FORM 541		US NUCLEAR REGULATORY COMMISSION		1. MANIFEST TOTALS							2. MANIFEST NUMBER						
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST CONTAINER AND WASTE DESCRIPTION				NUMBER OF PACKAGES	NET WASTE VOL. m3/LI	NET WASTE WEIGHT kg	SPECIAL NUCLEAR MATERIAL (grams)				AL-2015-207						
				2	0.228 8.1	169	U-233	U-235	Pu	TOTAL							
							NP	NP	NP	NP							
							ACTIVITY (MBq/mCi)				SOURCE (kg)						
ALL NUCLIDES		TRITIUM	C-14	Tc-99	I-129	0.00E+00											
1.69E+04 MBq		NP	NP	NP	NP												
4.57E+02 mCi						SHIPPER ID NUMBER N/A											
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 uSv/hr mSv/hr	10. SURFACE CONTAMINATION MBq/100 cm2 ALPHA BETA-		11. WASTE DESCRIPTOR (See Note 2)		12. APPROPRIATE WASTE VOLUME(S) m3		13. ADSORBENT 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 A-U-A UNSTABLE B-CLASS B C-CLASS C
AL-SS-W-15-416 1508	4	0.114	84	196	<3.67E-6	<3.67E-5	36	0.114	100	Oxide/NP	NP	Cs-137	8.46E+03	2.29E+02	NA		
AL-SS-W-15-417 1507	4	0.114	85	190	<3.67E-6	<3.67E-5	36	0.114	100	Oxide/NP	NP	Cs-137	8.46E+03	2.29E+02	NA		
												Package total	8.46E+03	2.29E+02			
												Package total	8.46E+03	2.29E+02			

<p>NOTE 1: Container Description Codes For containers/ waste requiring disposal in approved structural overpacks. the numerical code must be followed by "OP"</p> <p>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</p> <p>9. Demeritizer 10. Gas Cylinder 11. Bulk, Unpackaged Waste 12. Unpackaged Components 13. High Integrity Container 19. Other describe in item 5, or additional page</p>	<p>NOTE 2: Waste Descriptor Codes (Choose up to three which predominate by volume)</p> <p>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</p> <p>29. Demerit 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. Parts or Plating</p>	<p>NOTE 3: For solidification media that meet disposal site structural stability requirements, the numerical code must be followed by "S"</p> <p>For all solidification media, the vendor (manufacturer) and brand name must also be identified in item 13. Code 100 = NONE REQUIRED.</p> <p>Sorption 60. Speed/Dn 61. Cement 62. Floor Dry/ Superfine 63. Hi Dn 64. Safe-T-Scrub 65. Safe-N-Dn</p> <p>66. Floor 67. Floor A 68. Solid-A-Sorb 69. Chemical 30 70. Chemical 50 71. Chemical 30/20 72. Decapet HP200</p> <p>73. Decapet HP500 74. Pellets 75. Pellets II 76. Acusorb 77. Aquasorb II</p> <p>78. Other Describe in item 13 or additional page</p> <p>Solidification 80. Cement 81. Concrete (Encapsulated) 82. Blumer 83. Vinyl Chloride 84. Vinyl Ester Styrene 85. Other Describe in item 13 or Additional Page</p> <p>100. None Required</p>
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NRC FORM 542 (5-1999)			U.S. NUCLEAR REGULATORY COMMISSION			1. WASTE COLLECTOR/PROCESSOR NAME Chase Environmental Group, Inc. IDENTIFICATION NUMBER T-KY003-L15 SHIPPING DATE 7/21/2015				2. MANIFEST NUMBER AL-2015-207	
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST						SHIPPER USE ONLY				3. PAGE_1_OF_1_PAGE(S)	
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. WASTE WASTE (OR MATERIAL) VOLUME (m3)	8. MANIFEST NUMBER UNDER WHICH WASTE (OR MATERIAL) RECEIVED AND DATE OF RECEIPT	9. WASTE CODE WASTE WASTE	10. WASTE COMPACT OR STATE	11. AS PROCESSED/COLLECTED TOTAL				
							A. SOURCE MATERIAL (kg)	B. SNM (g)	C. ACTIVITY (MBq)	D. VOLUME (m3)	
1508	AEP Kanawha River 304-348-4751	US Route 60 Glasgow, WV 25086	0.228	NA	C	WV	0.00E+00	NP	1.69E+04	0.228	
TOTALS OF ALL PAGES (NRC FORMS 542 AND 542A)							0.000	0.000	1.69E+04	0.228	

NRC FORM 540 UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER		5 SHIPPER- NAME AND FACILITY Chase Environmental Group, Inc 11450 Watterson Court Louisville, KY 40299		SHIPPER ID # N/A <input checked="" type="checkbox"/> COLLECTOR <input type="checkbox"/> PROCESSOR	7 NRC FORM 540 AND DATA PAGE 1 <u>1</u> PAGE(S) OF <u>1</u> PAGE(S) NRC FORM 541 AND DATA <u>1</u> PAGE(S) ADDITIONAL INFORMATION <u>Long</u> PAGE(S)		8 Manifest Number (Use this number on all continuation pages) AL-2015-207	
1 EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE) 800-424-9300		4 PERMIT NUMBER T-KY003-L15		SHIPMENT # N/A	3 CONSIGNEE- NAME AND FACILITY ADDRESS Alaron Corporation 2138 State Route 18 Wampum, PA 16157		Contact Mike Otlowski Telephone Number (include area code) 724-535-5777	
ORGANIZATION Chemtrec		WSDS #: CHEN01RAD		6 CARRIER NAME AND ADDRESS SJ Transportation Co., Inc. PO Box 169 Woodstown, NJ 08098	EPA ID # NJD071629976	SIGNATURE, AUTHORIZED TO REPRESENT ALARON WASTE DESIGNS <i>[Signature]</i>		Date 7-22-15
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		3 TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST 2		CONTACT Janet Baker TELEPHONE # 865-250-4693		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.		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		EPA MANIFEST NUMBER NA		CONTACT Kevin Elder TELEPHONE # 856-769-2741		AUTHORIZED SIGNATURE <i>[Signature]</i>		TITLE Tech
				DATE 7-21-15		DATE 7-21-15		

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 RADIOISOTOPES	16 TOTAL PACKAGE ACTIVITY IN MBq	17 LSA/SCO CLASS	18 TOTAL VOLUME OR WEIGHT m ³	19 ID NUMBER OF PACKAGE
X	UN2915 Radioactive material, Type A package. 7 One drum with sealed sources for disposal	Yellow II	0.4	Solid/Oxide	Cs-137	8.46E+03	NA	0.114	AL-SS-W-15-416
X	UN2915 Radioactive material, Type A package. 7 One drum with sealed sources for disposal	Yellow II	0.7	Solid/Oxide	Cs-137	8.46E+03	NA	0.114	AL-SS-W-15-417

15-0463

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.

Donald Duncan
Print name

[Signature]
Signature

07-21-2015
Date

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)