

**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](mailto:blake.welling@nrc.gov)

FROM: Randy Farneth  
Corporate Account Manager  
E-mail: [rfarneth@solutientech.com](mailto: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.

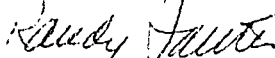
Solutient performed the requisite leak tests and removed the devices from service on 13 July 2015. Said devices were containerized in Type A steel 55-gallon drums, properly labelled and secured on site for a period of seven days awaiting transportation for disposal. On 21 July 2015 Solutient effected 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](mailto: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 certificate 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 [InfoCollect.Resource@nrc.gov](mailto:InfoCollect.Resource@nrc.gov), and to the Desk Officer, Office of Information and Regulatory Affairs, NE08-10202 (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  
**3L-5599216**

LICENSE EXPIRATION DATE  
**9/30/15**

DOCKET NUMBER  
**55992**

**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: **ACATRON 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 <b>R. FARNETH</b>	TITLE <b>PROJ MGR</b>	TELEPHONE (Include Area Code) <b>330-497-5905</b>	E-MAIL ADDRESS <b>rfarneth@schubertech.com</b>
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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 <b>R. FARNETH, PROJ MGR</b>	SIGNATURE <i>R. Farneth</i>	DATE <b>7-24-15</b>
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**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.**

**Solutient**  
Technologies, LLC

**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

Net CPM

Efficiency x 2.22 x 10E-6 DPM/ uCi

= 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 x 10E-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 ( $5.0 \times 10^{-3}$ ) 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 ( $5.0 \times 10^{-3}$ ) 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

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

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 ( $5.0 \times 10E-3$ ) 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 ( $5.0 \times 10^{-3}$ ) 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 ( $5.0 \times 10^{-3}$ ) 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

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

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 ( $5.0 \times 10E-3$ ) 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 ( $5.0 \times 10^{-3}$ ) microcuries or more of activity during the wipe test.


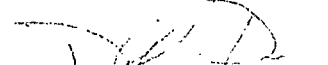
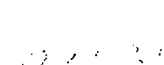
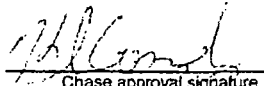
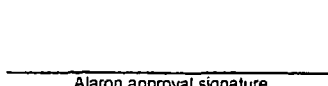
Assay Number: 071415-8

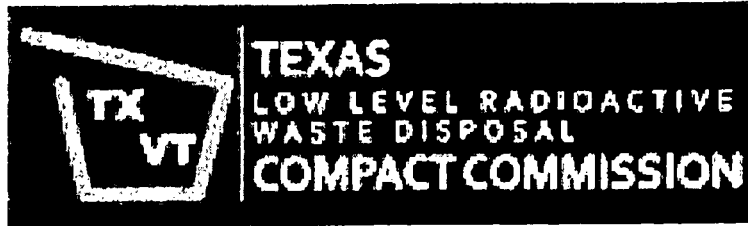
Assay Date: 7/14/2015

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		Date	
		7-21-15			
Chase approval signature		Date		Alaron approval signature	
				Date	



**GENERATOR AUTHORIZATION**

DATE: 07/11/2015

NAME OF ORIGINAL GENERATOR: Kenneth 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:

David Deneand  
(PRINT NAME)

TITLE:

Environmental Coordinator  
(PRINT TITLE)

MAILING ADDRESS:

1 AEP Way  
Gulfsboro, NC  
25080

SIGNATURE:

[Handwritten Signature]

NRC FORM 540 <b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>		5 SHIPPER- NAME AND FACILITY Chase Environmental Group, Inc. 11450 Watterson Court Louisville, KY 40299		SHIPPER ID # N/A	7 NRC FORM 540 AND 541 PAGE 1 <u>1</u> PAGE(S) NRC FORM 541 AND 541A OF <u>1</u> PAGE(S) NRC FORM 541 AND 541A <u>1</u> PAGE(S) ADDITIONAL INFORMATION <u>None</u> PAGE(S)		8 Manifest Number (Use the number on the title page of page)  AL-2015-207		
6 EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE) 800-424-9300		USER PERMIT NUMBER T-KY003-L15	SHIPMENT # N/A	GENERATOR TYPE (SPECIFY)	9 CONSIGNEE NAME AND FACILITY ADDRESS Alaron Corporation 2138 State Route 18 Wampum, PA 16157		Contact Mike Oltowski Telephone Number (include area code) 724-535-5777		
ORGANIZATION Chemtrec WSDS #: CHEN01RAD		CONTACT Janet Baker		TELEPHONE # 865-250-4593	SIGNATURE Authorized consignee acknowledging waste receipt		Date		
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.		5 CARRIER NAME AND ADDRESS SJ Transportation Co., Inc. PO Box 169 Woodstown, NJ 08098		EPA ID # NJD071629976	SHIPPING DATE 7/21/2015		DATE		
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 ILSA/SCO CLASS	18 TOTAL VOLUME in <sup>3</sup>	19 NUMBER OF PACKAGES
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
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>Kevin Elder</i>		Date 7/21/15		
					Print name Kevin Elder		Date		

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)

**UNIFORM LOW-LEVEL RADIOACTIVE  
WASTE MANIFEST  
CONTAINER AND WASTE DESCRIPTION**

1 MANIFEST TOTALS							2 MANIFEST NUMBER	
NUMBER OF PACKAGES	NET WASTE VOL. (L)	NET WASTE WEIGHT (kg)	SPECIAL NUCLEAR MATERIAL (grams)				TOTAL	AL-2015-207
	0.228	1.19	U-233	U-235	Pu	NP		
2	0.228	1.19	NP	NP	NP	NP	NP	PAGE 1 OF 1 PAGE(S)
ACTIVITY (MBq/mCi)							SOURCE (kg)	
ALL NUCLIDES		TRITIUM	C-14	Tc-99	I-129		0.00E+00	Chase Environmental Group
1.69E+04 MBq		NP	NP	NP	NP			SHIPPER ID NUMBER
4.57E+02 mCi								N/A

DISPOSAL CONTAINER DESCRIPTION						WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER							15 WASTE CLASS			
8 CONTAINER IDENTIFICATION NUMBER/GENERATOR NUMBER	9 CONTAINER DESCRIPTION (See Note 1)	7 VOLUME (m3)	8 WASTE AND CONTAINER WEIGHT (kg)	9 SURFACE RADIATION LEVEL (See Note 2)	10 SURFACE CONTAMINATION (MBq/100 cm2)		11 PHYSICAL DESCRIPTION			12 CHEMICAL DESCRIPTION				13 RADIOLOGICAL DESCRIPTION		16 WASTE CLASSIFICATION (See Note 3)
					ALPHA	BETA-GAMMA	11 WASTE DESCRIPTION (See Note 2)	12 APPROXIMATE VOLUME (m3)	13 SOLIDIFICATION STABILIZATION MEDIA (See Note 3)	14 CHEMICAL FORM CHELATING AGENT	15 CHEMICAL FORM CHELATING AGENT (See Note 3)	13 CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIOISOTOPE IDENTIFIER				
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	
												Package total	8.46E+03	2.29E+02		
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		

**NOTE 1 - Container Description Codes:** For containers/waste requiring disposal in approved Class C containers, the numerical code must be followed by "C".

**NOTE 2 - Waste Container Codes:** Check us to three when applicable by volume.

**NOTE 3 - For solidification media that meet national low-level waste 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 "N/A" NONE REQUIRED.**

1 Wooden box or Crate	6 Drum (open)	11 Other (Specify in item 13)	16 Other (Specify in item 13)
2 Metal Can	10 Gas Cylinder	12 Unpackaged Components	17 Other (Specify in item 13)
3 Plastic Drum or Box	11 Bulk Unpackaged Waste	13 High Integrity Container	18 Other (Specify in item 13)
4 Metal Drum or Can	12 Unpackaged Components	14 High Integrity Container	19 Other (Specify in item 13)
5 Metal Tank or Drum	13 High Integrity Container	15 Other (Specify in item 13)	20 Other (Specify in item 13)
6 Polyethylene Tank or Drum	14 High Integrity Container	16 Other (Specify in item 13)	21 Other (Specify in item 13)
7 Fiberglass Tank or Drum	15 Other (Specify in item 13)	17 Other (Specify in item 13)	22 Other (Specify in item 13)

20 Charcoal	25 Denatured Alcohol	30 Evaporator Bottom Sludges/Concentrates
21 Asbestos Ash	26 Calcium Exchange Media	31 Comminuted Fuel
22 Slur	27 Amorphous Exchange Media	32 Comminuted Fuel
23 Gas	28 Comminuted Equipment	33 Ammonia Gas
24 Oil	29 Organic Liquid (Excess Oil)	34 Evaporator Bottom Sludges/Concentrates
25 Aqueous Liquid	30 Calcium Exchange Media	35 Carcass
26 Fuel Waste	31 Comminuted Equipment	36 Other (Specify in item 13 or Additional Page)
27 Mechanical Parts	32 Calcium Exchange Media	
28 EPA 60 Solids	33 Ammonia Gas	
	34 Evaporator Bottom Sludges/Concentrates	

37 Speed Dr	66 Fluke	73 Decant #2000	89 Other (Specify in item 13)
38 Cement	67 Fluke X	74 Fluke	90 Other (Specify in item 13)
39 Frost Dry	68 Borg A-500	75 Fluke II	91 Other (Specify in item 13)
40 Superfine	69 Chem 30	76 Fluke	92 Other (Specify in item 13)
41 H (Dr)	70 Chem 50	77 Fluke I	93 Other (Specify in item 13)
42 Sale 1-500	71 Chem 3000	78 Fluke	94 Other (Specify in item 13)
43 Sale 1-Dr	72 Decant #2000	79 Fluke	95 Other (Specify in item 13)

4 GENERATOR IDENTIFICATION NUMBER		5 GENERATOR NAME PERMIT NUMBER AND TELEPHONE NUMBER		6 GENERATOR FACILITY ADDRESS		7 WASTE QUANTITY (kg)		8 WASTE CHARACTERIZATION (NA, C, Y)		9 WASTE CODE (F, H, L, M, O, R, S, T, U, V, W, X, Y, Z)		10 STATE		11 AS PROCESSED/COLLECTED TOTAL			
														A SOURCE MATERIAL (kg)	B SNM (g)	C ACTIVITY (MBq)	D VOLUME (m <sup>3</sup> )
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  <b>UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST SHIPPING PAPER</b>		<b>5 SHIPPER NAME AND FACILITY</b> Chase Environmental Group, Inc 11450 Waterson Court Louisville, KY 40299		<b>SHIPPER ID #</b> N/A <input checked="" type="checkbox"/> COLLECTION <input type="checkbox"/> PRODUCER	HAS THIS MESSAGE BEEN PREVIOUSLY APPLIED? <input type="checkbox"/> HAS THIS MESSAGE BEEN PREVIOUSLY APPLIED? <input type="checkbox"/> ADDITIONAL INFORMATION: <input type="checkbox"/>	PAGE 1 OF 1 PAGE(S) OF 1 PAGE(S) 1 PAGE(S) NEED PAGE(S)	<b>8 Manifest Number</b> (Give the number in 22 (containing) digits)  AL-2015-207		
<b>EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE)</b> 800-424-9300		<b>SHIPPER PERMIT NUMBER</b> T-KY003-L15	<b>SHIPMENT #</b> N/A	<b>3 CONSIGNEE NAME AND FACILITY ADDRESS</b> Alaron Corporation 2138 State Route 18 Wampum, PA 16157		<b>Contact</b> Mike Offowski Telephone Number (include area code) 724-535-5777			
<b>ORGANIZATION</b> Chemtec WSDS # CHEN01RAD		<b>CONTACT</b> Janet Baker		<b>TELEPHONE #</b> 856-759-4583	<b>10. Certification</b> This is to certify that the herein-named materials are acceptable for transport, 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.		<b>Date</b> 7-22-15		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<b>9 TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST</b> 2	<b>6 CARRIER NAME AND ADDRESS</b> SJ Transportation Co., Inc. PO Box 169 Woodstown, NJ 08098		<b>EPA ID #</b> NJD071629976	Signature: <i>[Signature]</i>		<b>Date</b> 7-21-15		
<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<b>EPA MANIFEST NUMBER</b> NA	<b>CONTACT</b> Kevin Elder		<b>TELEPHONE #</b> 856-759-2744	<b>AUTHORIZED SIGNATURE</b> <i>[Signature]</i>	<b>TITLE</b> Tech	<b>DATE</b> 7-21-15		
<b>11 U.S. DEPARTMENT OF TRANSPORTATION DESIGNATION</b> (Including proper shipping name, hazard class, UN ID number, and special instructions)		<b>12 DOT LABEL</b> (Hazard class)	<b>13 TRANSPORT INDEX</b>	<b>14 PHYSICAL STATE</b> (Solid, Liquid, Gas, Slurry, etc.)	<b>15 RADIOACTIVE MATERIAL</b> (Isotopes and decay products)	<b>16 TOTAL PACKAGE ACTIVITY (in MBq)</b>	<b>17 RADIOACTIVE CLASS</b>	<b>18 TOTAL VOLUME (in m<sup>3</sup>)</b>	<b>19 INVENTORY NUMBER OF PACKAGE</b>
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
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		<b>Generator Certification Statement:</b> 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		<b>Signature</b> DONALD DUNCAN	<b>Signature</b> <i>[Signature]</i>	<b>Date</b> 07-21-2015	CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)		