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 Appalacian Power Compnay 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 Appalacian 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

NRC FORM 314
(02-2014)
10 CFR 30.36(j)(1), 40.42(j)(1), 70.38(j)(1), and 72.54(k)(5)(i)(1)

U.S. NUCLEAR REGULATORY COMMISSION

CERTIFICATE OF DISPOSITION OF MATERIALS

APPROVED BY OMB: NO. 3150-0028 EXPIRES: 02/28/2017

LICENSEE NAME AND ADDRESS	LICENSE NUMBER	DOCKET NUMBER
AMERICAN ELECTRIC POWER US RTE 60 GLASGOW, WV 25086	GL-5599216	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: ALARON 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	TITLE	TELEPHONE (Include Area Code)	E-MAIL ADDRESS
R. FARNETH	PROJ MGR	330-497-5905	rfarneth@solutionstech.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	SIGNATURE	DATE
R. FARNETH, PROJ MGR	R Farneth	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.

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

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2787

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
3	1	2

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

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 regulatroy 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

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2788

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
28	1	27

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

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 regulatroy 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

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2789

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
6	1	5

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

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 regulatroy 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: 071415-3

Assay Date: 7/13/2015

Performed by: G.McFeely

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2790

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
1	1	0

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

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 regulatroy 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: 071415-4

Assay Date: 7/13/2015

Performed by: G.McFeely

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2791

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
1	1	0

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

The removable activity was: 0.00E+00 microcurles

The above source leak test has been performed in accordance with our Radioactive materials license and the appropriate regulatroy 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: 071415-5

Assay Date: 7/14/2015

Performed by: G.McFeely

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2792

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
9	1	8

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

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 regulatroy 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: 071415-6

Assay Date: 7/14/2015

Performed by: G.McFeely

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2793

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
1	1	0

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

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 regulatroy 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: 071415-7

Assay Date: 7/14/2015

Performed by: G.McFeely

Solutient
Technologies, LLC

Sealed Source Leak Test Certificate

Location: Hopper

Customer: AEP Kanawha

Radionuclide: Cs-137

Serial # B 2794

Actitvity: 0.1 Curies

Date of Test: 7/13/2015

Efficiency: 50.45

Counts per minute

Gross	Bkg	Net
7	1	6

$$\frac{\text{Net CPM}}{\text{Efficiency x 2.22 x 10E-6 DPM/ uCi}} = \text{microcurie}$$

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 regulatroy 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: 071415-8

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 soures			
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	14. Delivering carrier	SJ Transportation Co., Inc.
	Telephone	865-250-4593		
	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	19. Number of packages	2
	Telephone	304-348-4751	Total weight lbs	400
	Comments			

20. I attest that the above is complete and accurate

Printed name of Shipper or Source Owner	Signature of Shipper or Source Owner	Date

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

TEXAS
LOW LEVEL RADIOACTIVE
WASTE DISPOSAL
COMPACT COMMISSION

TX VT

GENERATOR AUTHORIZATION

DATE: 09/11/2015

NAME OF ORIGINAL GENERATOR: Kewaunee 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 Durand
(PRINT NAME)

TITLE: Environmental Coordinator
(PRINT TITLE)

MAILING ADDRESS: 1 Nep Way
Carlton, WI
54205

SIGNATURE: David Durand

NRC FORM 540

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST

SHIPPING PAPER

1 EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE) 800-424-9300			
ORGANIZATION Chemtrec	WSDS #: CHEN01RAD		
[ ] YES [x] NO	3 TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST	2	
[ ] YES [x] NO	EPA MANIFEST NUMBER NA		

5 SHIPPER- NAME AND FACILITY Chase Environmental Group, Inc. 11450 Watterson Court Louisville, KY 40299		SHIPPER ID # N/A	
		X COLLECTOR	
		PROCESSOR	
USER PERMIT NUMBER T-KY003-L15	SHIPMENT # N/A	GENERATOR TYPE (SPECIFY)	
CONTACT Janet Baker		TELEPHONE # 865-250-4593	
6 CARRIER NAME AND ADDRESS SJ Transportation Co., Inc. PO Box 169 Woodstown, NJ 08098		EPA ID # NJD071629976	
		SHIPPING DATE 7/21/2015	
CONTACT Kevin Elder		TELEPHONE # 856-769-2741	
SIGNATURE		DATE 7.21.15	

NRC FORM 540 AND 540A	PAGE 1	1 PAGE(S)	8 Manifest Number (Use this number on all continuation pages) AL-2015-207
NRC FORM 541 AND 541A	OF	1 PAGE(S)	
NRC FORM 542 AND 542A		1 PAGE(S)	
ADDITIONAL INFORMATION		None PAGE(S)	
9 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
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

AUTHORIZED SIGNATURE | TITLE Tech | 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 RADIONUCLIDES	16 TOTAL PACKAGE ACTIVITY IN MBq	17 LSA/SCO CLASS	18 TOTAL VOLUME m^3	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

Print name | Signature | Date

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)

NRC FORM 541 — U.S. 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 WGHT (kg)	SPECIAL NUCLEAR MATERIAL (grams) U-233	U-235	Pu	TOTAL	AL-2015-207
2	0.228	1.29	NP	NP	NP	NP	3 PAGE 1 OF 1 PAGE(S)
	8.1						
ACTIVITY (MBq/mCi) ALL NUCLIDES		TRITIUM	C-14	Tc-99	I-129	SOURCE (kg)	4 SHIPPER NAME
1.69E+04 MBq		NP	NP	NP	NP	0.00E+00	Chase Environmental Group
4.57E+02 mCi							SHIPPER ID NUMBER N/A

DISPOSAL CONTAINER DESCRIPTION							WASTE DESCRIPTION FOR EACH WASTE TYPE IN CONTAINER								15 WASTE CLASS
							PHYSICAL DESCRIPTION			14 CHEMICAL DESCRIPTION		15 RADIOLOGICAL DESCRIPTION			
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 mR/hr mSv/hr	10 SURFACE CONTAMINATION MBq/100 cm2 ALPHA	BETA-GAMMA	11 WASTE DESCRIPTOR (See Note 2)	12 Approximate RADIOACTIVE CONSTITUENTS (m3)	13 SORBENT SOLIDIFICATION STABILIZATION MEDIA (See Note 3)	CHEMICAL FORM CHELATING AGENT	WEIGHT % CHELATING AGENT (If Any)	INDIVIDUAL RADIONUCLIDES AND ACTIVITY MBq AND CONTAINER TOTAL OR CONTAINER TOTAL ACTIVITY AND RADIONUCLIDE PERCENT Nuclide	MBq	mCi	AS APPLICABLE ACCORDING TO 61.55(a)(8)
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 structural overpack the numerical code must be followed by "OP"

1 Wooden Box or Crate; 2 Metal Box; 3 Plastic Drum or Box; 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 Shielded Box; 10 Gas Cylinder; 11 Bulk Unpackaged Waste; 12 Unpackaged Components; 13 High Integrity Container; 14 Other (Describe on Item 8 or Additional Page)

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

20 Crud/Lube; 21 Incinerator Ash; 22 Soil; 23 Glass; 24 Oil; 25 Aqueous Liquid; 26 Resin Media; 27 Mechanical Filter; 28 EPA or State Hazardous; 29 Demolition Rubble; 30 Cation Exchange Media; 31 Anion Exchange Media; 32 Mixed Bed Ion Exchange Media; 33 Contaminated Equipment; 34 Organic Liquid (Except Oil); 35 Gas/Vapors or Laboratory; 36 Organic Sludge/Solid; 37 Paint or Plating; 38 Evaporator Bottoms/Sludges/ Concentrates; 39 Combustible Trash; 40 Non-Combustible Trash; 41 Animal Carcass; 42 Biological Waste (Except Animal Carcass); 43 Activated Material; 50 Other (Describe on 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 is NONE REQUIRED.

Sorbents: 50 Speed Dri; 51 Gelsorb; 52 Floor Dry/ Superfloc; 53 H Dri; 54 Safe T-Sorb; 55 Safe-n-Dri; 65 Other (Describe on Item 13 or Additional Page); 66 Fibrex; 67 Fibrex A; 68 Bore-A-Sorb; 69 Chemisil 30; 70 Chemisil 50; 71 Chemisil 3030; 72 Diasorb HP200; 73 Diasorb HP500; 74 Petroset; 75 Petroset P; 76 Absolidry; 77 Aquaset I

Solidification: 90 Cement; 91 Concrete Encapsulation; 92 Bitumen; 93 Vinyl Chloride; 94 Vinyl Ester Styrene; 95 Other Solidification on Item 13 or Additional Page; 100 None Required

NRC FORM 542 (5-1998) — 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-L15

SHIPPING DATE: 7/21/2015

SHIPPER USE ONLY

2 MANIFEST NUMBER: AL-2015-207

3. PAGE 1 OF 1 PAGE(S)

4 GENERATOR IDENTIFICATION NUMBER	5. GENERATOR NAME PERMIT NUMBER AND TELEPHONE NUMBER	6 GENERATOR FACILITY ADDRESS	7	8.	9 WASTE CODE	10	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

1. EMERGENCY TELEPHONE NUMBER (INCLUDE AREA CODE)
800-424-9300

ORGANIZATION
Chemfec WSDS #. CHEN01RAD

[ ] YES
[x] NO

3. TOTAL NUMBER OF PACKAGES IDENTIFIED ON THIS MANIFEST
2

[ ] YES
[x] NO

EPA MANIFEST NUMBER
NA

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

USCB PERMIT NUMBER
T-KY003-L15

SUBSTANCE #
N/A

CONTACT
Janet Baker

TELEPHONE #
866-750-4583

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

CONTACT
Kevin Elder

TELEPHONE #
856-769-2741

SIGNATURE

DATE
7-21-15

SHIPPER ID #
N/A

X COLLECTOR
PROCESSOR

GENERATOR TYPE (SPECIFY)

EPA ID #
NJD071629976

SHIPPING DATE
7/21/2015

AUTHORIZED SIGNATURE

DATE
7-21-15

PAGE 1 1 PAGE(S)
OF 1 PAGE(S)
1 PAGE(S)
None PAGE(S)

8. Manifest Number
AL-2015-207

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

Contact
Mike Ofiowski

Telephone Number (Include area code)
724-535-5777

Date
7-22-15

10. Certification

This is to certify that the herein-named materials are acceptable for shipment, 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

TITLE
Tech

DATE
7-21-15

HM	11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION (Including proper shipping name, hazard class, UN ID number, and packing group (if any))	12. DOT LABEL (Yellow II)	13. TRANSPORT INDEX	14. PHYSICAL AND CHEMICAL FORM	15. RADIONUCLIDES	16. TOTAL PACKAGE ACTIVITY (in MBq)	17. HAZARD CLASS	18. TOTAL VOLUME (in cubic 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

07-21-2015
Date

CONSIGNEE ORIGINAL (MUST ACCOMPANY WASTE IN TRANSIT)