FORM 540 EnergySolutions, LLC UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST			5. SHIPPER NAME AND FACILITY Cabrera Services for GE/UNC 71 Shelton Ave. New Haven, CT 06511				I.D. NUMBER : 17-08 ECTOR CESSOR	7. FORM 540 AND 540A PAGE 1 C FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION		OF 1 PAGE(S) 1 PAGE(S) None PAGE(S) None PAGE(S)	 MANIFEST NUMBER (Use this number on all continuation pages) 7321-01-0100 	
SHIPPING PAPER 1. EMERGENCY TELEPHONE NUMBER (Include Area 800-424-9300 ORGANIZATION	Utah Generator Site Access Permit No. SHIPMENT NUMBER 0209001622 na CONTACT Wade Fillingame			GENERATOR TYPE (Specify) FC TELEPHONE NUMBER (Include Area Code) 865-300-5789		9. CONSIGNEE - Name a EnergySolutions, Clive Disposal Site Interstate 80, Exit Clive, UT 84029	LLC e (Bulk Was	ste Facility)	CONTACT Security Depart TELEPHONE (Include Area Code) (801)649-2175	E a Code)		
Chemtrec contract # CCN3584 2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? YES NO 4. DOES EPA REGULATED YES EPA MANIFEST NUMBER YES	PACKAGES IDENTIFIED ON THIS MANIFEST =====>			6. CARRIER Name and Address Greenfield Logistics 8731 Sandy Parkway Suite 107 Sandy, UT 84070 CONTACT				are in proper condition for tr This also certifies that the m	rein-named materials a ransportation accordin naterials are classified	Loging waste receipt DATE DATE		
4. DOES EPA REGUIRING A WASTE REQUIRING A MANIFEST ACCOMPANY THIS SHIPMENT? If "Yes," provide Manifest Number ====>		Shane Joh	ansen Authorized carrier ackno	owledging waste	receipt	(Include Ai 801-676-1 DATE	,	transportation and disposal state regulations.		dance with the require	ements of 10 CFR Parts 20 a	DATE
11. U.S. DEPARTMENT OF TRANSPORTATION DESCRIPTION 12. (Including proper shipping name, hazard class, UN ID number, and any additional information) DOT LAI		13. 14. TRANSPORT PHYSICAL AND INDEX CHEMICAL FORM				15. INDIVIDUAL RADIONUCLIDES		16. TOTAL PACKAGE ACTIVITY MBq mCi		17. LSA/SCO CLASS	18. TOTAL WEIGHT OR VOLUME (Use appropriate units)	19. IDENTIFICATION NUMBER OF PACKAGE
RQ, UN 3077, Environmentally Hazardous Substance, solid, nos, 9, III (Asbestos) soil and debris	NA	na	Solid Oxides		234	0-233	U-238	2.3483E+01	(6.3469E-01)	NA	23060 LBS; 486 FT3	GFLU002198
FOR CONSIGNEE USE ONLY	on Inadequa ge Detected ates Detected adequate equate on this Shipr	te _{A.} ed B. C. D.	hazardous wa certification as TITLE: Upon representation WASTE MAT respects and INDEMNIFIC/ results from th	S MATERI aste, this s s required acceptan ns herein ERIAL: G in accorda ATION: G he failure	ALS: Generator represents & warrants that Waste Material is (or) \checkmark is not a hazardous waste as defined in 40 CFR 261. Where the material is a hipment is also accompanied by a separate and completed hazardous waste manifest, along with the appropriate land-disposal restriction notice and/or by 40 CFR 268.1. ce at the disposal site by EnergySolutions, LLC, and all appropriate regulatory authorities, title to the Waste Material which conforms to Generator's shall thereupon transfer from Generator and be vested in EnergySolutions, LLC enerator represents and warrants that all data set forth in this (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST) are true and correct in all ance with all applicable governmental laws, rules, regulations and EnergySolutions LLC's facility license. enerator agrees to indemnify EnergySolutions, LLC, its officers, employees and agents against all losses and liability whatsoever if such losses or liability of the Waste Material to conform in all material respects to the data supplied on the (UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST,) or if this he standards prescribed by the Department of Transportation or any governmental agency having jurisdiction over such matters.							

FORM 541				EneravSo	olutions, LLC		- 1		1. MANIF	EST TOTALS					2 1	MANIFEST NU	MBER	
			PACKAGES/ NET WASTE		NET WASTE		SPECIAL NUCLEAR MATERIAL (grams)					2. 1	7321-01-0100					
						DISPOSAL CONTAINER	VOLUME	WEIGHT	U-233	U-23	5	Pu		Total				
UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST				1	m3 13.7620	-	NP	1.0230E		NP	1	.0230E+0	4	PAGE 1 C		AGE(S)		
CONTAINER AND WASTE DESCRIPTION						ft3 486.0000	ton 7.8300	ACTIVITY	I Conta					Cabrera Services for GE/UNC			;	
	CONTAINER AND V	WASTE DE					ALL NUCLIDES	TRITIUM	C-14	Tc-9	9	I-129		SOURCE (kg)				
Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste				MBq	2.3483E+01	NP	NP	NP		NP	(kg)	4.5724E-0	F-02 SHI	05/11/0 (5 00				
				mCi	6.3469E-01	NP	NP	NP				5.0402E						
	D	ISPOSAL CON	TAINER DESCRIP	PTION		mor	0.54092-01	M		ASTE DESCRIPTI			/		L-03			16. WASTE
5.	6.	7.	8.	9.	10.		PHY	SICAL DESCRIPTIC	DN		DESCRIPTION	15.		ICAL DESCR	RIPTION			CLASSIFI- CATION
CONTAINER IDENTIFICATION NUMBER/ GENERATOR ID NUMBER(S)	NUMBER/ DESCRIPTION VOLUME CONTAINER LEVEL (MBq/10 INERATOR ID VUMBER(S) (See Note 1 & (m3) (m3) (kg) (mem/hr) (mem/hr)		NATION 0 cm2) 0cm2)	11. WASTE DESCRIPTOR (See Note 2 &	12. APPROXIMATE WASTE VOLUME(S) IN CONTAINER	WASTE STABILIZATION LUME(S) IN MEDIA DNTAINER		WEIGHT % CHELATING AGENT IF > 0.1%				L; OR CONTAIN	ES AND ACTIVITY (MBq) AND ONTAINER TOTAL ACTIVITY CLIDE PERCENT		AS-Class A Stable AU-Class A Unstable B-Class B C-Class C			
	Note 1A)	(ft3)	(ton)		ALPHA	BETA- GAMMA	Note 2A)	(m3) (FT3)	(See Note 3)		IF > 0.1%		DIONUCLIDES		pCi/gm	MBq	mCi	C-Class C
GFLU002198/7321-01	2-В	13.7620	10459.8407	<1.0000E-03	<0.0000	<0.0000	29,22-HJL	13.7620	100 100	Oxides/none	na	U-234 U-235	[9.6300E-	05 kg] 8.	.40550E+01	2.2091E+01	5.9706E-01 2.2112E-02	AU
		486.0000	11.5300	<1.0000E-01	<100.0000	<1000.0000		486.0000				U-238 Subtotal		02 kg] 2.	.18400E+00		1.5513E-02 6.3469E-01	
												Total SNM	[1.0230E	+01 g]		2.3483E+01	6.3469E-01	
									-			Source	[4.5724E-	02 kg]				
Shipment Totals		13.7620	10459.8407									SNM Source	[1.0230E [4.5724E-			2.3483E+01	6.3469E-01	
		486.0000	11.5300															
									_									
									-									
												<u> </u>						
									-									
waste requiring disposal packs the numerical cod	ription Codes. For containe I in approved structural ove de must be followed by "-OP	er- (Choos P."	A: Bulk Packagin se one code as ma		.) 2	IOTE 2: Waste 0. Charcoal 1. Incinerator	e Descriptor Codes. (C 29. Demolition R Ash 30. Cation Ion-e:	ubble S xchange Media	38. Evaporator Bottom Concentrates	ns/Sludges/	NOTE 2A: Spec Choose all app			three which structural s	h predominate stability require	Stabilization Medi by volume.) For m ements, the numer ndor and brand na	nedia meeting dis ical code must be	posal site followed
1. Wooden Box or Crate 9. Demineralizer A Gondola 2 2. Metal Box 10. Gas Cylinder B Intermodal 2 3. Plastic Drum or Pail 11. Bulk, Unpackaged Waste C End-Dump 2 4. Metal Drum or Pail 12. Unpackaged Components D Roll-off 2 5. Metal Tank or Liner 13. High Integrity Container E Seavan 2 6. Concrete Tank or Liner 19. Other. Describe in Item 6, 2			2. Soil 3. Gas 4. Oil 5. Aqueous Lie 6. Filter Media	Soil 31. Anion Ion-exchange Media 39. Compactible Trash Gas 32. Mixed Bed Ion-exchange Media 40. Noncompactible Trash Oil 33. Contaminated Equipment 41. Animal Carcass Aqueous Liquid 34. Organic Liquid (except oil) 42. Biological Material (except filter Media Filter Media 35. Glassware or Labware animal carcass) Mechanical Filter 36. Sealed Source/Device 43. Activated Material					by "-S." and the media vendor and brand name must also be identified G Dewatered in Item 13. Code 100=NONE REQUIRED. H Solid Solidification I Combustible 90. Cement 94. Vinyl Ester Styrene J Non-combustible 91. Concrete 99. Other. Describe K Air Filtration Filters (encapsulation) in item 13, or L Ashestos 92. Bitumen additional page									

28. EPA or State 37. Paint or Plating

Hazardous

59. Other. Describe in item 11,

or additional page

L Asbestos

92. Bitumenadditional page93. Vinyl Chloride100. None Required.

FORM 541 (03-06)

8. Fiberglass Tank or Liner

UNIFORM LOW-LEVEL RADIOACTIVE WASTE MANIFEST ISOTOPES REPORT

For Manifest # 7321-01-0100 EnergySolutions, LLC

	Tota	Total Activity					
<u>Isotope</u>	<u>(MBq)</u>	<u>(mCi)</u>					
U-234	2.2091E+01	5.9706E-01					
U-235	8.1816E-01	2.2112E-02					
U-238	5.7400E-01	1.5513E-02					