Golden Engineering Inc. PO Box 185 Centerville IN. 47330

Phone: 765/855-3493 Fax: 765/855-3492

June 01, 2010

To NRC Staff.

I disposed of all the spark gaps containing tritium in our possession. There were a total of 122 of them. They were disposed of by ADCO Services INC. 17650 Tinley Park IL. 60477 who took possession of them at our facility.

I used a Portable Tritium Monitor femto-TEK #1812 to survey the area where the spark gaps were stored. This meter was calibrated on 5/18/10 by femto-Tek. I started the monitor outside the building and zeroed the meter then took it to the location where the spark gaps were stored. The was no increase in the displayed μCi reading where the spark gaps were stored.

Phillip Golden

Ptilly D. Johley Radiation Safety Officer, Golden Engineering Inc.

NRC FORM 314 U.S. NUCLEAR REGI	ULATORY COMMISSION	APPROVED BY	OMB: NO. 3150-00	28 EXPIRES: 07/31/200
(7-1998) 10 CFR 30.38(e)(1)(w) 10 CFR 40.42(e)(1)(w) 10 CFR 70.38(e)(1)(w) CERTIFICATE OF DISPOSITION OF INSTRUCTIONS: ALL ITEMS MUST BE COMPLETED PRINT OF SEND THE COMPLETED CERTIFICATE TO THE NRC OFFICE SP	F MATERIALS	Estimated burder collection reques the basis for it radioactive mete Forward commer Branch (T-6 F33 20555-0001, a Office of Mana information collen number, the NF	t per response to comp t: 30 minutes. This is s determination that rise before the facilit tts regarding burden e), U.S. Nuclear Reguland to the Peperwork gement and Budget, sction does not displ	ply with this mendatory informatic submittel is used by NRC as part of the facility has been cleared by is released for unrestricted ustimate to the Records Managemeratory Commission, Washington, D. Reduction Project (3150-0028 Washington, D.C. 20503. If a ay a currently valid OMB control or sponsor, and a person is no
LICENSEE NAME AND ADDRESS	EGIFIED ON THE REVERSE	Ti.	ICENSE NUMBER	
Golden Engineering I PO Box 185	nc,	ī	13 - 32 a	254-01
Centerville, IN 4733	0		06/30	/2010
A. MATERIALS	DATA (Check one and co	mplete as nece	ssary)	
THE LICENSEE OR ANY INDIVIDUAL EXECUT	ING THIS CERTIFICATE for complete the appropriate			CERTIFIES THAT:
1. NO MATERIALS HAVE EVER BEEN PROCURED O	OR POSSESSED BY THE	LICENSEE UN	DER THIS LICENS	E.
2. ALL ACTIVITIES AUTHORIZED BY THE LICENSE LICENSEE UNDER THE LICENSE NUMBER CITES space is needed, use the reverse side or provide att.	DABOVE HAVE BEEN DIS	MATERIALS P SPOSED OF IN	ROCURED AND/O THE FOLLOWING	R POSSESSED BY THE 3 MANNER. (If additional
For transfers, specify the date of the transfer, the na	te, mixed waste, Greater-th Conpany fru rans farmed me of the licensed recipien	rn gw it, and the recipi	ste, and sealed sou Itrum () Seuled () ent's NRC license	urces, if applicable. L Spark gups L the number or Agreement State
Transferred to Adron B	ps trunsfe			
ENA IN# ILDOY7267			vey faction	60411
If materials were disposed of directly by the licensee	• •		e, licensed disposa	I site or waste contractor,
describe the specific disposal procedures (e.g., deca	y in storage).			
	25			
	B. OTHER DATA			
1. OUR LICENSE HAS NOT YET EXPIRED; PLEASE				
2. A RADIATION SURVEY WAS CONDUCTED BY TH MATERIALS AND TO DETERMINE WHETHER AN	E LICENSEE TO CONFIR	M THE ABSEN AINS ON THE F	CE OF LICENSED PREMISES COVER	RADIOACTIVE RED BY THE LICENSE.
NO (Attach explanation)				
YES, THE RESULTS (Check one)				
ARE ATTACHED, or				
WERE FORWARDED TO NRC ON (Date)	NAME			TELEPHONE NUMBER
THE PERSON TO BE CONTACTED REGARDING THE INFORMATION PROVIDED ON THIS FORM	Phillip	Golden		(Include Area Code) (765) 855-3493
4. MAIL ALL FUTURE CORRESPONDENCE REGARDING TH	IIS LICENSE TO			

Golden Engineering Inc. PO Box 185, Centerville IN 47330

CERTIFYING OFFICIAL

SIGNATURE

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

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 RESPECTS. 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 JURISDICTIONS.

PRINTED NAME AND TITLE

10.11487

FORM 540 AE UNIFORM LOW-LEVEL RADIOACTIV WASTE MANIFEST	5. SHIPPER - NAME AND FACILITY GOLDEN ENGINEERING, INC. IFOR THE ACCT OF ADCO SERVICES 6364 MEANS ROAD CENTERVILLE, IN 47330				61796 COLLECTOR PROCESSOR	7. FORM 540 AND 540A PAGE 1.0 FORM 541 AND 541A FORM 542 AND 542A ADDITIONAL INFORMATION	8. MANIFEST NUMBER (Use this number on all continuation pages) 10-1149 L				
SHIPPING PAPER	SC PERMIT SHIPMENT NUMBER NA 10-1149 L				GENERATOR TYPE (Specify) I	9. CONSIGNEE - Name and Facility Address	CONTACT LEN WARBIANY/FACILITY MGR				
1 EMERGENCY TELEPHONE NUMBER (Include Area Code) 765-855-3493	CONTACT PHILLIP GOLDEN				PHONE NUMBER e Area Code) -855-3493	ADCO SERVICES, INC. 17650 DUVAN DRIVE TINLEY PARK, IL 60477	TELEPHONE NUMBER (Include Area Code) 708-429-1660				
ORGANIZATION GOLDEN ENGINEERING, INC.	ti.	6. CARRIE	ER – Name and Address			D. NUMBER	SIGNATURE - Authorized consignee acknowle	DATE			
2. IS THIS AN "EXCLUSIVE USE" SHIPMENT? 3. TOTAL NUMBER OF PACKAGES IDENTIFIES		ADCOM EXP 17650 DUVA	PRESS, INC.		ILD04	7267364		Translates sometime devicementalist andre (explict			
X YES ON THIS MANIFEST =====>	1	TINLEY PARK, IL 60477				ING DATE I/10		CERTIFICATION			
DOES EPA REGULATED WASTE REQUIRING A YES EPA MANIFEST NUMBER	CONTACT ROBERT BASSETT				HONE NUMBER e Area Code) 429-3013	This is to certify that the herein-named materials are properly classified, described, packaged, marked, and lat in proper condition for transportation according to the applicable regulations of the Department of Transportati certifies that the materials are classified, packaged, marked, and labeled and are in proper condition for transp, disposal as described in accordance with the requirements of 10 CFR Parts 20 and 61, or equivalent state reg					
MANIFEST ACCOMPANY X NO THIS SHIPMENT? If "Yes," provide Manifest Number =====>		SIGNATURE – Authorized carrier alknowledging waste receipt				25-10	Authorized Signature Lilly D. Lilly	DATE 5/25/10			
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. 14. TRANSPORT PHYSICAL AND CHEMICAL FORM				15. DIVIDUAL ONUCLIDES	16. 17. TOTAL PACKAGE ACTIVITY LSA/SCO MBq mCi CLASS		18, TOTAL WEIGHT OR VOLUME (Use appropriate units)	19 IDENTIFICATION NUMBER OF PACKAGE	
DOT EXEMPT NA		NA	Solid TRITIUM SPAR GAPS	RK H-3		*	5.1541E+01 1.3930E+00	NA	200. LBS; 7.5 FT3	10-1149-01	
		el				K I					
			-								
							-				
						*		1			
FOR CONSIGNEE USE ONLY	ω.	9	20.							Н	

UNIFORM LOW-LEVEL RADIOACTIVE **WASTE MANIFEST**

CONTAINER AND WASTE DESCRIPTION

Additional Nuclear Regulatory Commission (NRC) Requirements for Control, Transfer and Disposal of Radioactive Waste

		O MANUESOTANIMADED										
OF				SPECIAL NUCLEAR M.	ATERIAL (grams)			2. MANIFEST NUMBER				
ES/ AL ERS	NET WASTE VOLUME	NET WASTE WEIGHT	U-233	U-235	Pu		TOTAL	10-1149 L 3. PAGE 1 OF 1 PAGE(S)				
m3	INC	kg 7.5000						OTTAGE TOT TTAGE(0)				
ft3	0.2124	^b 90.7185	NP	NP	NP	2	NP	4. SHIPPER NAME				
			ACTIVITY	2				GOLDEN ENGINEERING, INC.				
ALL	NUCLIDES	TRITIUM	C-14	Tc-99	I-129	s	OURCE					
5.15	541E+01	5.1541E+01	NP	NP	NP	(kgs)	NA	SHIPMENT ID NUMBER				
mCi 1.3930E+00 1.3		1.3930E+00	NP	NP	NP	(lbs)	NA	61796				
	ES/ AL ERS m3 ft3 ALL 5.1	### NET WASTE VOLUME #### INC ##################################	### NET WASTE VOLUME NET WASTE WEIGHT	OF S NET WASTE VOLUME WEIGHT U-233 M3 INC kg 7.5000 NP	NET WASTE NET WASTE WEIGHT	NET WASTE	NET WASTE	NET WASTE				

												(150)				
DISPOSAL CONTAINER DESCRIPTION									WASTE TYPE IN CONTAINER						16.WASTE	
								PHYSICAL DESCRIP		14. CHEMICAL DE	SCRIPTION	15. RADIOLOGICA		ICAL DESCRIPTION		CLASSIFI-
5. CONTAINER IDENTIFICATION NUMBER /	6, CONTAINER DESCRIPTION (See Note 1 &	VOLUME	8. WASTE AND CONTAINER WEIGHT	9. SURFACE RADIATION LEVEL	10 SURI CONTAM MBq/1 dpm/1	11NAT1ON 00 cm2 00 cm2	WASTE DESCRIPTOR (See Note 2 & Note 2A)	12, APPROXIMATE WASTE VOLUME(S) IN CONTAINER (m3)	13. SOLIDIFICATION OF STABILIZATION MEDIA (See Note 3	CHEMICAL FORM/ CHELATING AGENT	WEIGHT % CHELATING AGENT		INER TOTAL; (UCLIDES AND AC OR CONTAINER DIONUCLIDE PER	OTAL ACTIVITY	CATION AS-Class A Stable AU-Class A Unstable
	Note 1A)	(ft3)	(kg) (lb)	mSv/hr mrem/hr	ALPHA	BETA- GAMMA	l a	(FT3)	& Note 3A)		IF>0.1%	B. B. B. B.	urar mass. T			B-Class B C-Class C
10-1149-01/NA 6364 MEANS ROAD CENTERVILLE, IN	4	0.2124	90,7185	1000 Z	NP	NP	39-H	0.2124	100	TRITIUM SPARK GAPS/NP		H-3 Subtotal	- 1	5.1541E+01 5.1541E+01	1.3930E+00	
47330		7.5000	200.0000	2	NP	NP		7.5000			0.00	Total	- 1	=======	1.3930E+00 ======= 1.3930E+00	
Shipment Totals		0.2124	90.7185											5.1541E+01	1.3930E+00	
		7.5000	200.0000													
		.5														
								tu .								

NOTE 1: Container Description Codes. For containers/ waste regulring disposal in approved structural overpacks the numerical code must be followed by "-OP."

- 1. Wooden Box or Crate 9. Demineralizer
- 10, Gas Cylinder . Metal Box
- 11. Bulk, Unpackaged Waste 3. Plastic Drum or Pail 12. Unpackaged Components 4. Metal Drum or Pail
- 5. Metal Tank or Liner 13. High Integrity Container 6. Concrete Tank or Liner 19. Other. Describe in Item 6,
- Polyethlene Tank or Liner or additional page.
 Fiberglass Tank or Liner

- Note 1A: Barnwell Specific Container Description Codes. (Choose one code as may be applicable.)
- A High Integrity Container Poly
- B High Integrity Container Poly with Steel Shell
- C High Integrity Drum Overpack Poly
- D High Integrity Container Stainless Steel E High Integrity Container - Fiberglass
- F Liner Steel

- - NOTE 2: Waste Descriptor Codes. (Choose up to three which predominate by volume.)
 - 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
- 29. Demolition 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. Paint or Plating
- 38. Evaporator Bottoms/Sludges/ Concentrates 39. Compactible Trash
 - 40. Noncompactible Trash 41. Animal Carcass 42. Biological Material (except
 - animal carcass) 43. Activated Material
 - 59. Other. Describe in item 11, or additional page

- Note 2A: Barnwell Specific Waste Descriptor Codes (Choose all applicable codes.)
- Dewatered
- Solid Combustible
- Non-combustible
- Air Filtration Filters Asbestos
- by volume.) For media meeting disposal sines structural stability requirements, the numerical code must be followed by "-S" and the media vendor and brand name must also be identified in Item 13. Code 100=NONE REQUIRED.

Solldification

- 90. Cement
- 91. Concrete (encapsulation) 92. Bitumen 93 Vinyl Chloride 100, None Required.
- 94. Vinyl Ester Styrene 99. Other. Describe in item 13, or

additional page

Note 3: Solidification and Stabilization Media Codes. (Choose up to three which predominat

Solidification and

applicable)

(Choose this code if

Note 3A: Barnwell Specific

Stabilization Media Codes

Wax Binder

FORM 541 (10-96)



7009 0820 0001 7775 1497



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1000

U.S. POSTAGE PAID CENTERVILLE.IN 47330 JUN 08.10 AMOUNT

\$6.15

FIRST CLASS MAIL

Weight

To: Materials Licensing Section
US Nuclear Regulatory Comm
Region III
801 Warrenville Rd.
Lisle, IL 60532-4351

