

CAPITOL DEVELOPMENT DESIGN, INC.

ENGINEERS

PLANNERS

SURVEYORS

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19-30774-01 03036123

То:	LAT		Phone:	610-337-5364
	Attn: Dr. Shattar Lodhi			
Company:	NRC		Fax:	610-337-5269
From:	Koré Tall, MSCE		Date:	October 17, 2012
Re:	Nuclear Certification R	tenewal	Pages:	7 (including cover page)
□ Urgent	☐ For Review	For your Use] As Requ	est 🗆 Original in Mail
Comments	S:			
		ear licensing renewal a Victor Chen, P.E., if yo		Two hard copies will be questions.

Thanks.

Koreissi Tall, MSCE, RSO Geotechnical Division Manager

Cell: 301-254-7415



NRC FORM 31	3 U.S.	NUCLEAR REG	ULATORY COMMIS	SION	APPROVE	D 8Y DM8: NO.31	150-0120	EXPIRES:08/31/2002
(8-1999) 10 CFR 30, 32, 33 34, 35, 38, 39 and 4	0				7,4 hours.	Submittel of the sp number omcadum	pplication is necessary to c	indutory information collection request: intermine that the applicant is qualified in health and safety. Send comments
APPLICATION FOR MATERIAL LICENSE APPLICATION FOR MATERIAL LICENSE APPLICATION FOR MATERIAL LICENSE Management and Budget, Washington, DC 20550-031, or by Internet s-melt to big 15th and to the Deck Officer, Office of Information and Regulatory Attins, NEOS-160222, DTSO Office of Management and Budget, Washington, DC 20500, it a means used to imple information collection does not display a currently valid DMB country internet. NFC in Condition of sponsor, and a person is not required to expond to, the information collection				or by internet e-mell to bis ignuc, boy, tony Affairs, NEO8-10202, (3150-0120), 00503, it a means used to impose an 1 DMB control number. MRC may not				
			ENSE APPLICATION					OMPLETING APPLICATION.
APPLICATION FOR	DISTRIBUTION OF E	XEMPT PRODUCTS	FILE APPLICATIONS WIT	H:	IF YOU AF	E LOCATED IN:	-	
OFFICE OF NUC U.S. NUCLEAR !	LEAR MATERIALS S. REGULATORY COMM	CAL NUCLEAR SAFE AFETY AND SAFEGU USSION			SEND APP	LICATIONS TO:	*	issouri, ohio, or Wisconsin,
WASHINGTON, DC 20555-0001 MATERIALS LICENSING SECTION U.S. NUCLEAR REGULATORY COMMISSION, REGION III ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:						III NC		
IF YOU ARE LOCA						RRENVILLE RD. L 60532-4351		`
MASSACHUSETTS			ye, Maryland, York, Pennsylvania,		LOUISIAN	a, montana, neb Ia, drebon, paci	raska, nevada, new h	rado, Hawaii, Idaho, Kansas, Mexico, North Dakota, 6, South Dakota, Texas, Utah. To:
NUCLEAR MATE	ISTANT SECTION PIALS SAFETY BRAI REGULATORY COMM ROAD				NUCLE	ar materials un	CENSING SECTION DRY COMMISSION, REGIO	
ALABAMA, FLORIC			YORTH CAROLINA, PLIER BLANDS, OR WEST VIROS		ARLING	TON, TX 78011-80	64	
SEND APPLICATIO								
U. S. NUCLEAR 51 FORSYTH 8	ANTA FEDERAL CEM REGULATORY COM IREET, S.W., BUITE : RGIA 30303-8931	MISSION, REGION II						
PERSONS LOCATE	ed in agreement s		Cations to the U.S. Hu Tory commission jur			у сомміваюн о	NLY IF THEY WISH TO PO	DS SESS AND USE LICENSED
1. THIS IS AN AF	PLICATION FOR (CA	eck appropriete ilem)					RESS OF APPLICANT (IF	
l 1	V LICENSE		*		-		pment Design,	
Y C REI	ENDMENT TO LICENS WEWAL OF LICENSE	NUMBER 19 - 3	0774 - 01			rowaer M /ille, MD 2	iill Road, Suite	: 200
					Dens	1110, 17117		
			SED OR POSSESSED				4. NAME OF PERSON APPLICATION	TO BE CONTACTED ABOUT THIS
		oad, Suite 2	.00				Victor Che	n
Beitsville	e, Maryland	20705					301-937-35	-
SUBMITITEMS 5 T	HROUGH 11 ON 8-17	X 11" PAPER. THE	TYPE AND SCOPE OF INF	FORMATIC	N TO BE P	ROVIDED IS DESC	RIBED IN THE LICENSE A	PPLICATION GUIDE
5. RADIOACTIVI 2. Element at which will		semical and/or physica one time.	el form; and c. mandmum a	mount	8. PUR	POSE(S) FOR WHI	CH LICENSED WATERIAL	WILL BE USED.
7. INDIVIDUALE TRAINING EX		R RADIATION SAFET	Y PROGRAM AND THEIR		8 TRA	NING FOR INDIVID	UALS WORKING IN OR FI	REQUENTING RESTRICTED AREAS.
9. FACILITIES A	NO EQUIPMENT,				10, RAC	IATION SAFETY PR	ROGRAM,	
11. WASTE MAN	11. WASTE MANAGEMENT. 12. LICENSEE PRES (See 10 CPR 170 and Section 170.31) PRE CATEGORY AMOUNT ENCLOSED 5					! AMOUNT		
13. CERTIFICATION UPON THE A		ted by applicant) THE	APPLICANT UNDERSTAN	IDS THAT			RESENTATIONS MADE IN	THIS APPLICATION ARE BINDING
THE APPLICATION CONFORMIT	INT AND ANY OFFICE WITH TITLE 10, CO THE BEST OF THE	de of federal red R Knowledge and	DULATIONS, PARTS 30, 32 BELIEF.	2, 33, 34, 3	15, 36, 39 A	40 40, AND THAT A	ALL INFORMATION CONTA	APPLICATION IS PREPARED IN AINED HEREIN IS TRUE AND
ANY DEPART	MENT OR AGENCY	of the United Stat	res as to any matter !	S IT A CRU	S JURISDIC	TION	WILLFULLY FALSE STATE	EMENT OR REPRESENTATION TO
	hen, Preside	ED NAME AND TITLE Ont	-		SIGNATU	Mel C	tull	October 23, 2012
	T				JSE O			
TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK	NUMBER	COMMENTS		
APPROVED BY				DATE	_			

ITEMS 5 AND 6: MATERIALS TO BE POSSESSED AND PROPOSED USES

Yes	No	Radioisotope	Manufacturer or Distributor Model No. Troxler / 34 Series	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
X		Cesium-137	Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes Specific description of the gauge use:	□ Not applicable ☑ Uses are: Field Density & Moisture Tests (Submit safety analysis supporting safe use)
X		Americium- 241	Scaled source manufacturer or distributor and model number: Device manufacturer or distributor and model number:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes Specific description of the gauge use:	□ Not applicable KI Uses are: Field Density & Moisture Tests (Submit safety analysis supporting safe use)

APPENDIX B

And Device Registration Certificate Other Isotope Sealed source manufacturer or distributor and model number: Device manufacturer or distributor and model number: Device manufacturer or distributor and model number: Device manufacturer or device as specified in Sealed Source and Device and De	Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity ·	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
or distributor and model number: or distributor and model number: Device manufacturer or distributor and model activity per source or maximum activity per device as specified in Sealed Source and Device and Device and Device and Device Registration Specific description of the gauge use: [] Uses are: (Submit safety analysis supporting safe use)		×		or distributor and model number: Device manufacturer or distributor and model	either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration	Specific description of	applicable Uses are: (Submit safety analysis supporting safe
The state of the s		Х		or distributor and model number: Device manufacturer or distributor and model	either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device	Specific description of	applicable Uses are: (Submit safety analysis supporting safe

ITEMS 7 THROUGH 11: TRAINING AND EXPERIENCE, FACILITIES AND EQUIPMENT, RADIATION SAFETY PROGRAM, AND WASTE DISPOSAL

	ltem No. And Title	Suggested Response	Yes	Alternative Procedures Attached
7.	INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING AND EXPERIENCE - RADIATION SAFETY OFFICER	Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entitled "Individual(s) Responsible for Radiation Safety Program and Their Training and Experience — Radiation Safety Officer" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.	Ø	
- Nar	ne: Koreissi Tall, RSO			
8.	TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS	Before using licensed materials, authorized users will have successfully completed one of the training course described in Criteria in the section entitled "Training for Individuals Working In or Frequenting Restricted Areas" in NUREG-1556, Vol. 1, Rev 1, dated November 2001.	S	0
9.	FACILITIES AND EQUIPMENT	No information needs to be submitted in response to this item; key issues are addressed under "Radiation Safety Program — Public Dose" and "Radiation Safety Program — Operating and Emergency Procedures."	ŀ	
10.	RADIATION SAFETY PROGRAM – AUDIT PROGRAM	The applicant is <i>not</i> required to, and should not, submit its audit program to NRC for review during the licensing phase.	1	ot Be Submitted pplication
10.	RADIATION SAFETY PROGRAM— TERMINATION OF ACTIVITIES	The applicant is not required to submit a response to the termination of activities section during the initial application. However, when the license expires when the licensee ceases operation, NRC Form 314 must be submitted.		ot Be Submitted pplication
10.	RADIATION SAFETY PROGRAM – SURVEY INSTRUMENTS	We will either possess and use, or have access to and use, a radiation survey meter that meets the Criteria in the section entitled "Radiation Safety Program – Instruments" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.	N N	0

APPENDIX B

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM – MATERIAL, RECEIPT AND ACCOUNTABILITY	Physical inventories will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.	23 .	O
10. RADIATION SAFETY PROGRAM – OCCUPATIONAL DOSIMETRY	Either we will maintain, for inspection by NRC, documentation demonstrating that unmonitored individuals are not likely to receive a radiation dose in excess of 10 percent of the allowable limits in 10 CFR Part 20, or we will provide dosimetry processed and evaluated by an NVLAP-approved processor that is exchanged at a frequency recommended by the processor.	Ø	o .
10. RADIATION SAFETY PROGRAM - PUBLIC DOSE	The applicant is <i>not</i> required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.		ot Be Submitted oplication
10. RADIATION SAFETY PROGRAM – OPERATING AND EMERGENCY PROCEDURES	We will implement and maintain the operating and emergency procedures in Appendix H of NUREG-1556, Vol. 1, Rev. 1, dated November 2001, and provide copies of these procedures to all gauge users and at each job site. OR	D	0
	Operating and emergency procedures will be developed, implemented, and maintained and will meet the criteria in the section entitled "Radiation Safety Program – Operating and Emergency Procedures" in NUREG-1556, Vol. 1, Rev. 1, dated November 2001.	⊠ .	
10. RADIATION SAFETY PROGRAM - LEAK TEST	Leak tests will be performed at intervals approved by NRC or an Agreement Sate and specified in the Sealed Source and Device Registration Sheet. Leak tests will be performed by an organization authorized by NRC or an Agreement State to provide leak testing services for other licensees or using a leak test kit supplied by an organization authorized by NRC or an Agreement State to provide leak test kits to other licensees and according to the kit supplier's instructions.		The information in Appendix J supporting a request to perform leak testing and sample analysis is attached.

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY	Routine Cleaning and Lubrication		
PROGRAM – MAINTENANCE	We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.	23	O
	Non-Routine Maintenance		
	We will send the gauge to the manufacturer or other person authorized by NRC or an Agreement State to perform non-routine maintenance or repair operations that require the removal of the source or source rod from the gauge.	X	The information listed in Appendix G supporting a request to perform non-routine maintenance in-house is attached.
10.RADIATION SAFETY PROGRAM - TRANSPORTATION	The applicant is <i>not</i> required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.		ot Be Submitted oplication
11. WASTE MANAGEMENT – GAUGE DISPOSAL AND TRANSFER	The applicant is not required to submit a response to waste management during the licensing process. However, the licensee should develop, implement, and maintain gauge transfer and disposal procedures in its radiation protection program.		of Be Submitted