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14 October 2011

Licensing Assistance Team
Division of Nuclear Material Safety
U.S. Nuclear Regulatory Commission, Region 1
475 Allendale Road
King of Prussia, PA 19406-1415

Subject:

Ref. No. MC576014

Nuclear Regulatory Commission Radioactive Materials License Renewal

License No. 09-25150-01

03032340

Dear Ms. Kirby:

Enclosed, please find additional information pertaining to the license renewal application referenced above. With this submittal Geosyntec is requesting the replacement of the application information previously submitted to your Agency. Should you have any questions or require additional information, please contact me at (561) 995-0900.

Singerery

Daniel A. Schauer, P.G.

Principal

Enclosure

57 (OIM) NMSS/RGN1 MATERIALS-002 NRC FORM 313

(3-2009) 10 CFR 30, 32, 33, 34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION APPROVED BY OMB: NO. 3156-0120

EXPIRES: 3/31/2012

Estimated burden per response to comply with this mandatory collection request: 4,3 hours. Submitted of the application is necessary to determine that the applicant is qualified and that adequate procedures adult to protect the public health and safety. Send comments regarding burden estimate to the Records and FOLAPhyragy Services Branch (T-5 FS3), U.S. Nuclear Regulatory Commission, Washington, DC 20556-0001, or by interpret a mail to infoodleds resource/mark or and to the Deck Officer Office of

APPLICATION FOR MATERIALS LICENSE	or by internet e-mail to infoculed a resource@into.gov, and to the Desk Officer of Information and Regulatory Affeirs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, OC 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.
INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION G SEND TWO COPIES OF THE ENTIRE COMPLETED A	UIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.
APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:	IF YOU ARE LOCATED IN:
OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS U.S. NUCLEAR REGULATORY COMMISSION WASHINGTON, DC 20588-0001	ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEID APPLICATIONS TO: MATERIALS LICENSING BRANCH
ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:	U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352
IF YOU ARE LOCATED IN:	
ALABAMA, CONNECTICUT, DELAWARE, DIŜTRICT OF COLLIMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MAŜĠACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RMODE IŜLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEŜT VIRGINIA, SEND APPLICATIONS TO:	ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, MAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTAMA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:
LICENSING ASSISTANCE TEAM DIVISION OF NUCLEAR MATERIALS SAFETY U.S. NUCLEAR REGULATORY COMMISSION, REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PA 19406-1416	NUCLEAR MATERIALS LICENSING BRANCH U.S. NUCLEAR REQUIATORY COMMISSION, REGION IV 612 E. LAMAR BOULEVARD, SUITE 400 ARLINGTON, TX 76011-4125
PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR MATERIAL IN STATES SUIDECT TO U.S.NUCLEAR REGULATORY COMMISSION JURISDICT	TIONS.
1, THIS IS AN APPLICATION FOR (Chack appropriate item)	2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)
A. NEW LICENSE	Geosyntec Consultants
B. AMENDMENT TO LICENSE NUMBER	900 Broken Sound Parkway, N.W., Suite 200
C. RENEWAL OF LICENSE NUMBER 09-25150-01	Boca Raton, FL 33487
3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED	4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION
At temporary construction sites though out the U. S. subject to NRC authority	Daniel A. Schauer
	TELEPHONE NUMBER
	(561) 995-0900
SUBMITITEMS 5 THROUGH 11 ON 5-1/2 X 11" PAPER, THE TYPE AND SCOPE OF INFORMA	TION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.
 RADICACTIVE MATERIAL Element and mass number; b, chemical and/or physical form; and c. maiximum amount which will be possessed at any one time. 	6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.
7. INDIVIDUAL(\$) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.	8, TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.
A, FACILITIES AND EQUIPMENT.	10. RADIATION SAFETY PROGRAM.
11. WASTE MANAGEMENT.	12. LICENSE FEES (See 10 CFR 170 and Socilar 170,31) FEE CATEGORY AMOUNT SENCLOSED
12. CERTIFICATION. (Mis) of complaind by applicant) THE APPLICANT UNDERSTANDS THA UPON THE APPLICANT.	
	THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN 35, 38, 39, AND 40, AND THAT ALL INFORMATION CONTANED HEREIN IS TRUE AND
WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT, 748 MAKES IT A CF ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN I	RIMINAL OFFENSE TO MAKE A WILLFULLY FAIRSE STAZEMENT OR REPRESENTATION TO
CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE	SIGNATURE
Daniel A. Schauer, Principal	10000etx 10/14/11
	USE ONLY

DATE

APPROVED BY

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

Yes	No	Radioisotape	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
		Cesium-137	Sealed source manufacturer or distributor and model number: SEE Note / Beadw Device manufacturer or distributor and model number: TROXLER MODEL 3400 SERIES NUCLEAR MOISTURE/DENSITY GAUGES	Not to exceed either the maximum activity per source or maximum activity per device as specified in Scaled Source and Device Registration Certificate	Yes Specific description of the gauge use:	O Not applicable Uscs are: (Submit safety analysis supporting safe use)
		Americium- 241	Sealed source manufacturer or distributor and model number: SEE NOTE 2. BEZING Device manufacturer or distributor and model number: TROUGHE MODE 3400 SERIES PORTHRUE NÚCLEME NÚ	maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes of Specific description of the gauge use:	O Not applicable Uses are: (Submit safety analysis supporting safe use)

NOTE !. CESIUM-137 SEALED SOURCES (DSA GLOBAL MODEZ

OPE W556; ISOTOPE PRODUCTS LABORATORY

MODEL HEG-137) POMCI TOTAL #

NOTE 2. AMERICIUM-241 SEALED SOURCES (OSA CLOBAL MODEL
AMNV. 997; ISOTOPE PRODUCTS
LABORATORY MODELS AMI.NOZ, 3021, 3027)
448, mCi Total *
NUREG-1556, Vol. 1, Rev. 1

* No SINGLE SOURCE TO EXCEED THE MAX. ACTIVITY SPECIFIED IN THE CERT. OF REG. ISSUED BY THE U.S. NACOR AN AGREEMENT STATE.

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APPENDIX B

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	Quantity	Use As Listed on SSD Certificate	Specify Other Uses Not Listed on SSD Certificate
		Californium- 252	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 O Specific description of the gauge use:	Not applicable Uses are: (Submit safety analysis supporting safe use)
		Other Isotope (Specify):	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: (Submit safety analysis supporting safe use)

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

	Item 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 FREDRICK A. CHAND	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.	de de la companya de	
	ne:	D. C		
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.	<u> </u>	0
9.	FACILITIES AND EQUIPMENT	No information needs to be submitted in response to this item; key issues are addressed	Separat Respons	
	EQUINENT	under "Radiation Safety Program - Public Dose" and "Radiation Safety Program - Operating and Emergency Procedures."	Need Not Be Submitted With Application	
10.	RADIATION SAFETY PROGRAM – AUDIT PROGRAM	The applicant is not required to, and should not, submit its audit program to NRC for review during the licensing phase.	Need Not Be Submitted With Application	
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.	Need Not Be Submitted With Application	
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

	Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10.	RADIATION SAFETY PROGRAM – MATERIAL RECEIPT AND ACCOUNTABILITY	Physical inventorics will be conducted at intervals not to exceed 6 months, to account for all sealed sources and devices received and possessed under the license.	**	0
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.	N	٥
10.	RADIATION SAFETY PROGRAM – PUBLIC DOSE	The applicant is not required to submit a response to the public dose section during the licensing phase. This matter will be examined during an inspection.	Need Not Be Submitted With Application	
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 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 Scaled 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.

GEOSYNTEC:

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. Non-Routine Maintenance	S	a
	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.	8	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 not required to submit its response to transportation during the licensing process. However, this issue will be reviewed during inspection.	Need Not Be Submitted With Application	
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.	Need Not Be Submitted With Application	