5HFI Sanborn, Head & Associates

Consulting Engineers & Scientists

January 28, 2005 File No. 9000.00

Licensing Assistance Team			
Division of Nuclear Materials Safety		9	
U.S. Nuclear Regulatory Commission, Region	nI LL 30994	Ű	
475 Allendale Road	03036829	NNL	PECE
King of Prussia, PA 19406-1415		ω	
Re: NRC Form 313 – Application For Mat	terial License 03121	M	IVED
Randolph, Vermont	4-30994-61	38	
Deen Licensing Assistance Teams			

Dear Licensing Assistance Team:

Enclosed please find an NRC Form 313 – Application For Material License specific to portable gauges. Also enclosed is a check for the application fee in the amount of \$1,200.

We hope to purchase a portable gauge prior to the spring construction season which usually begins in late March. To meet the March deadline, Sanborn, Head & Associates, Inc. respectfully requests the enclosed application be processed as soon as possible.

Please do not hesitate to contact us if you have any questions or need any further information.

Very truly yours, SANBORN, HEAD

Brian J Beaudoin Project Engineer

Marter H. Parim

Matthew R. Poirier, P.E. Associate

BJB/MRP:bjb

- Encl. NRC Form 313 Application For Material License Check for Application Fee (Check #38142)
- cc: R. Scott Shillaber, P.E., SHA Dennis Porter, SHA Donna Clarico, SHA

S:\RANDATA\NRC 2004 Application\012805NRCLtr.doc

NMSS/RGNI MATERIALS-002

Paul M. Sanborn = Charles L. Head = R. Scott Shillaber = Charles A. Crocetti = Mathew A. DiPilato Daniel B. Carr = Duncan W. Wood = Joseph G. Engels = Vernon R. Kokosa = James A. Chabot

Sanborn, Head & Associates, Inc. One Kingwood Park, 1422 Vermont Route 66
Randolph, Vermont 05060 randolph@sanbornhead.com
Www.sanbornhead.com Phone (802) 728-2000
Fax (802) 728-9500

	2 110		III ATOBY COMM	SCION	APPROV	ED BY OMB: NO. 3150-012	20	EXPIRES: 10/31/2005
NRC FORM 31 (4-2004)	.s U.S.	NUCLEAK KEG	ULATORY COMMI	SSICN	Estimated	d burden per response to co	omply with this mandal	ory collection request: 7
10 CFR 30, 32, 33, 34, 35, 36, 39, and	40				qualified a	Ibmittal of the application is and that adequate procedur	es exist to protect the	public health and safety
04, 00, 00, 00, 00, unu					Branch (T	ments regarding burden est -5 F52), U.S. Nuclear Regula	atory Commission, Was	hinaton. DC 20555-0001
					or by inte	ernet e-mail to infocollects in and Regulatory Affairs, NE	Onrc.gov, and to the	Desk Officer, Office o
APPLI	CATION F	OR MATER	RIAL LICENS	SE	and Bude	et. Washington, DC 2050	If a means used to	impose an information
					collection	does not display a currentl or sponsor, and a person i	ly valid OMB control nu	mber, the NRC may no
					collection.			
						DETAILED INSTRUCTIO OFFICE SPECIFIED BEL		NG APPLICATION.
APPLICATION FO	R DISTRIBUTION OF	EXEMPT PRODUCT	S FILE APPLICATIONS	MITH:	IF YOU AR	E LOCATED IN:		
OFFICE OF NU		DICAL NUCLEAR SAI SAFETY AND SAFEG			ILLINOIS, I APPLICATI	ndiana, Iowa, Michigan, Mil Ions to:	NNESOTA, MISSOURI, OH	IO, OR WISCONSIN, SEND
	DC 20555-0001					ALS LICENSING BRANCH		
ALL OTHER PERS	ONS FILE APPLICA	TIONS AS FOLLOWS	:		U.S. NUCLEAR REGULATORY COMMISSION, REGION III 2443 WARRENVILLE ROAD, SUITE 210 LISLE, IL 60532-4352			
IF YOU ARE LOCA	TED IN:							
			LUMBIA, FLORIDA, GEO			RIZONA, ARKANSAS, CALIFO		
			SISSIPPI, NEW HAMPSHI			, MONTANA, NEBRASKA, NEV PACIFIC TRUST TERRITORIES,		
ISLAND, SOUTH C		SEE, VERMONT, VIR	GINIA, VIRGIN ISLANDS			NG, SEND APPLICATIONS TO		
, i		510.					LL 3	744
DIVISION OF N	SISTANCE TEAM UCLEAR MATERIAL				U.S. NU	AR MATERIALS LICENSING BR CLEAR REGULATORY COMMIS	RANCH SSION, REGION IV \mathscr{C}	3036929
U.S. NUCLEAR 475 ALLENDAL		MISSION, REGION I			611 KYA	AN PLAZA DRIVE, SUITE 400 TON, TX 76011-4005	10.12	121
	SIA, PA 19406-1415	•				C ih	1 ZARRI	
						644	1-30994-	
			LICATIONS TO THE U.S. LATORY COMMISSION J			ORY COMMISSION ONLY IF TH	EY WISH TO POSSESS AI	ND USE LICENSED
		eck appropriate item)				ND MAILING ADDRESS OF APP	•)
A. NEW LICENSE		Sanborn, Head & Associates, Inc. One Kingwood Park						
B. AMENDMENT TO LICENSE NUMBER		1	Vermont Rte 66					
C, RENEWAL OF LICENSE NUMBER				Rand	olph, VT 05060			
3. ADDRESS WHE	RE LICENSED MAT	ERIAL WILL BE USED	OR POSSESSED		4. NAME C	F PERSON TO BE CONTACTED		
					Matt	new R. Poirier, P.E.	Fax: 802-728-95	
	lead & Associ	ates, Inc.			ļ		email: mpoirier@	sanbornhead.com
One Kingw 1422 Verm	ood Park ont Rte 66				TELEPH	IONE NUMBER		
Randolph,					(802)	728-2000		
		/2 X 11" PAPER. THE	TYPE AND SCOPE OF I	NFORMA	L	PROVIDED IS DESCRIBED IN T	THE LICENSE APPLICATIO	N GUIDE.
5. RADIOACTIVE	MATERIAL				I	······································		
which will be	possessed at any one	e time.	form; and c. maiximum am	iount	6. PURPOS	SE(S) FOR WHICH LICENSED M	ALERIAL WILL BE USED.	
7. INDIVIDUAL(S) TRAINING EXPI		RADIATION SAFETY	PROGRAM AND THEIR		8. TRAININ		G IN OR FREQUENTING R	ESTRICTED AREAS.
9. FACILITIES AND EQUIPMENT.			10. RADIATION SAFETY PROGRAM.					
11. WASTE MANAGEMENT.				SE FEES (See 10 CFR 170 and SATEGORY 3P	AMOUNT	1,200.00		
13. CERTIFICATIO	N. (Must be complet	ted by applicant) THE	APPLICANT UNDERSTA	NDS THA		EMENTS AND REPRESENTATIO	ENCLOSED	
THE APPLICAN	T AND ANY OFFICI	AL EXECUTING THIS	CERTIFICATION ON BEH	HALF OF 1	THE APPLIC	ANT, NAMED IN ITEM 2, CERTIF	FY THAT THIS APPLICATIO	ON IS PREPARED IN
CONFORMITY CORRECT TO	WITH TITLE 10, COL THE BEST OF THEIR	DE OF FEDERAL REG R KNOWLEDGE AND	BULATIONS, PARTS 30, 3 BELIEF.	32, 33, 34,	35, 36, 39, A	ND 40, AND THAT ALL INFORM	ATION CONTANED HERE	IN IS TRUE AND
WARNING: 18 ANY DEPARTM	U.S.C. SECTION 100 IENT OR AGENCY C	01 ACT OF JUNE 25, OF THE UNITED STAT	1948 62 STAT. 749 MAKE ES AS TO ANY MATTER	SITACF WITHIN I	RIMINAL OFF	ENSE TO MAKE A WILFULLY	FALSE STATEMENT OR R	EPRESENTATION TO
CERTIFYING OFFI	CER - TYPED/PRIN	TED NAME AND TITL	E		SIGNATOR	Mar Marin		DATE 22 -
Matthew R. I	Poirier, P.E., A	ssociate				our 11 fun		10/70)
TYPE OF FEE	FEE LOG	FEE CATEGORY	FOR AMOUNT RECEIVED		USE O	COMMENTS		<i>I</i>
			\$			NNSS/	RGNI MATERI/	LS-002
APPROVED BY	<u> </u>	J		DATE		1 .	12/20	
							36377	
NRC FORM 313 (4	2004)					·		ED ON RECYCLED PAPER

.

PRINTED ON RECYCLED PAPER

Yes	No	Radioisotope	Manufacturer or Distributor Model No.	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: <u>Troxler 3400 Series</u> Device manufacturer or distributor and model number: <u>Troxler 3400 Series</u>	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes S Specific description of the gauge use: Soil Testing	X Not applicable Uses are: (Submit safety analysis supporting safe use)
×		Americănne 241	Sealed source manufacturer or distributor and model number: <u>Troxler 3400 Series</u> Device manufacturer or distributor and model number. <u>Troxler 3400 Series</u>	Not to exceed either the maximum activity per source of maximum activity per device as specified in Scaled Source and Device Registration Certificate	Yes Ø Specific description of the gauge use: Soil Testing	Ø Not applicable Uses are Submit safety analysis supporting safe use)

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

ĺ

Ć

(

NUREG - 1556, Vol. 1, Rev. 1

.

ĺ

ĺ

ĺ

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 D 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 mumber:	Not to exceed either the maximum activity per source or maximum activity per device as specified in Sealed Source and Device Registration Certificate	Yes D Specific description of the gauge use:	O Not applicable O Uses are: (Submit safety analysis supporting safe use)

Financial Assurance Required and Evidence of Financial Assurance Provided

NUREG - 1556, Vol. 1, Rev. 1

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

(

(

í

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	Before obtaining licensed materials, the proposed RSO will have successfully completed one of the training courses described in Criteria in the section entilled "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.		
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.		
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."	Separate Item 9 Response Need Not Be Submitted With Application	
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.	Need Not Be Submitted With Application	
10. RADIATION SAFETY PROGRAM - TERMINATION OF ACTIVITIES	The applicant is <i>not</i> required to submit a response to the termination of activities section during the initial application. However, when the license expires when the license ceases operation, NRC Form 314 must be submitted.	1071	of Be Submitted
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.	R	٥

ĺ

(

ĺ

Item No. And Title	Suggested Response	Yes	Alternative Procedures Attached
10. RADIATION SAFETY PROGRAM – MATERIAL RECEIPT AND ACCOUNT ABILITY	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.	R	
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.	29	٥
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.	Network Lagrantic	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.	Ø	٥
	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.	٥	
10. RADIATION SAFETY PROCRAM – LEAK TEST	Leak tests will be performed at intervals approved by NRC or an Agreement Sale 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		
PROCRAM MAINTENANCE	We will implement and maintain procedures for routine maintenance of our gauges according to each manufacturer's recommendations and instructions.	8	C
	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.		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.	Need Not Be Submitted With Application	
I. WASTE MANAGEMENT - CAUCE DISPOSAL AND TRANSFER	The applicant is <i>not</i> 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	

•

.

!

This is to acknowledge t	the receipt of your letter/application dated
1201200	
	, and to inform you that the initial processing which ive review has been performed.
	A () A () A () A () A () A ()
New Licens	C Application (03036939) nistrative omissions. Your application was assigned to a
[X] There were no admir	nistrative omissions. Your application was assigned to a Please note that the technical review may identify additional
	additional information.
Please provide to this	s office within 30 days of your receipt of this card
A copy of your action ha	as been forwarded to our License Fee & Accounts Receivable
	t you separately if there is a fee issue involved.
	12/377
	ssigned Mail Control Number
	0) 337-5398, or 337-5260.
• •	
NRC FORM 532 (RI)	Sincerely, Licensing Assistance Team Leader
(6-96)	

•

•

	: (FOR LFMS USE)
	: INFORMATION FROM LTS
BETWEEN:	
License Fee Management Branch, ARM	: Program Code: 03121
and	: Status Code: 3
Regional Licensing Sections	: Fee Category:
	: Exp. Date: 0
	: Fee Comments:
	: Decom Fin Assur Reqd: _

LICENSE FEE TRANSMITTAL

A. REGION

- 1. APPLICATION ATTACHED
- Applicant/Licensee:SANBORN, HEAD & ASSOCIATES, INCReceived Date:20050131Docket No:3036829Control No.:136377License No.:44-30994-01Action Type:New Licensee
- 2. FEE ATTACHED Amount: <u>(1, 160.60</u> Check No.: <u>361.42</u>
- 3. COMMENTS

Signed Date

B. LICENSE FEE MANAGEMENT BRANCH (Check when milestone 03 is entered /__/)

1. Fee Category and Amount: _____

 Correct Fee Paid. Application may be processed for: Amendment _________
 Renewal

Renewal	
License	

3. OTHER _____

Signed _____ Date _____