Hill, Carol

From:	Chris <chrisfitz65@hotmail.com></chrisfitz65@hotmail.com>
Sent:	Thursday, July 31, 2014 3:13 PM
То:	Hill, Carol
Subject:	FW: License amendment for 25-07553-01
Attachments:	amendment_051314.pdf; ABR certificate.pdf; BC Y90 letter 2013-2014.pdf; Christenson Nucs ABR_cases.pdf; christenson_313a_aud.pdf; christenson_313a_aut.pdf; UCH License Am 45 Redacted.pdf; Y-90 CME course certificate.pdf; Y90 course certificate 12.pdf; Y90 course certificate 22.pdf; Y90 SAM credits.pdf

Carol, here is the orginal email I sent to you. If we could get the approved ASAP that would be very helpful.

Thank you

Chris

DECEIVED MAY 1 3 2014

DNMS

From: <u>chrisfitz65@hotmail.com</u> To: <u>carol.hill@nrc.gov</u> Subject: License amendment for 25-07553-01 Date: Tue, 13 May 2014 07:26:03 -0700

Good Morning Carol, please accept the attached licensing material for St. Vincent Healthcare, Billings Montana. Can you please let me know you have received? Thank you for your help.

Chris

PUBLIC U Immediate Rolease Normal Release

NON-PUBLIC U A.3 Sensitive-Security Related D A.7 Sensitive Internal D Other:

Reviewer: Jup Date: 8/1/14

May 13, 2014

Roberto J. Torres, Senior Health Physicist U.S. Nuclear Regulatory Commission, Region IV 612 East Larmar Blvd. Suite 400 Arlington, TX 76011-4125

Re: Amendment Request for St. Vincent Healthcare, NRC License Number 25-07553-01

Dear Mr. Torres:

Please amend the above referenced license to include the following:

- Add Brian Christenson, M.D., as an authorized user for 10 CFR 35.100 and 200 uses. Dr. Christenson is Board Certified by the ABR in Diagnostic Radiology. NRC form 313a (AUD) is attached.
- Please add Brian Christenson, M.D., as an authorized user for 10 CFR 35.300 uses for oral administration of I-131 of sodium I-131 for quantities less than or equal to 33 mCi and quantities greater than 33 mCi.
- 3. Please add Brian Christenson, M.D., as an authorized user for 10 CFR 35.1000 for the use of SIR-Spheres and TheraSpheres. The use of Y-90 microspheres will be for medical use, as permitted by 10 CFR 35.1000, in a Sirtex or TheraSpheres medical delivery system.
- 4. Please add to item 6 Yttrium-90 as permitted by 10 CFR 35.1000. The form will be SIR-Spheres and TheraSpheres. The authorized use will be for medical use, as permitted by 10 CFR 35.1000.
- 5. Please remove Ann Giuliano, M.D., as an authorized user for 10 CFR 35.100, 200, and 300 uses.

The following documentation for training and experience for training and experience is attached.

- Statement of training during Vascular and Interventional Fellowship from the University of Colorado.
- Statements of training from Society of Intentional Radiology
- University of Colorado Hospital Radioactive materials license documenting AU status for 10 CFR 35.100, 200, 300, and 1000 uses.
- Copy of ABR Certification.

Dr. Christenson is an interventional radiologist who has board certification in diagnostic radiology from the American Board of Radiology. Dr. Christenson is completing a Vascular and Interventional Fellowship at the University of Colorado Hospital. The 80 hours of classroom and laboratory training for byproduct material, including Y-90 microspheres was concurrent with training received during his residency and fellowship. The clinical use training and experience for item B of the licensing guidance are being satisfied by following pathway 2. Dr. Christenson will complete will complete at least the first three hands-on patient cases supervised in the physical presence of a manufacturer representative. In addition, within 30 days of each case, documentation will be submitted to the NRC by St. Vincent Healthcare. The documentation will be from the manufacturer verifying the cases were satisfactorily completed.

Additional training will be provided to all individuals involved in Y-90 microsphere use, commensurate with the individual's duties to be performed.

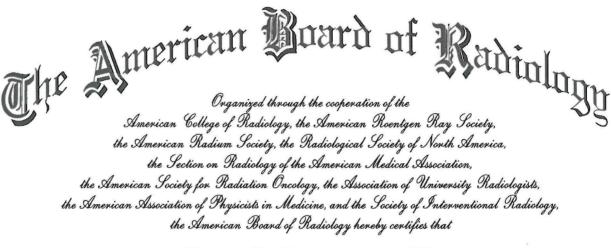
The license commitments included in the licensing Guidance will be followed for written directives, inventory, patient release, labeling and medical event reporting.

If you have questions or require additional information, please contact Chris Fitz at 925-550-7720.

Thank you for your assistance with this request.

CL J

Christopher Fitz, JD, MS, ABSNM Radiation Safety Officer St. Vincent Healthcare Radiology 1233 N 30th Street Billings, MT 59101



Brian M. Christenson, MD

Has pursued an accepted course of graduate study and clinical work; has met certain standards and qualifications, including passing the examinations conducted under the authority of the American Board of Radiology, demonstrating to the satisfaction of the Board qualification to practice; and is therefore awarded the Board's certification in

Diagnostic Radiology

AU Eligible



Ongoing validity of this certificate is contingent upon meeting the requirements of Maintenance of Certification.

This diplomate of the American Board of Radiology is permitted to use the DABR mark to signify this certification.

James P. Barytele 110 President

Secretaru-Treasurer

AMERICAN BOARD

DABR

Effective: June 12, 2013

Certificate No. 63329

Chris Fitz Radiation Safety Officer St. Vincent Healthcare Department of Radiology 1233 N 30th Street Billings, MT 59101

May 7th, 2014

Mr. Fitz:

The intent of this letter is to document, validate and support the experience of Dr. Brian Christenson in the evaluation and treatment of patients with unresectable liver malignancies with SIRSpheres and TheraSpheres Y-90 microspheres. I am currently an Authorized User Physician on Colorado Radioactive Materials License 828-01 for both SIRSpheres and TheraSpheres and have worked with Dr. Christenson with both modalities. I have worked closely with him over the last year during his Vascular and Interventional Radiology fellowship and feel qualified to render my assessment.

Dr. Christenson has been an active participant in 7 SIRSpheres cases and 3 TheraSpheres cases since 2013, working under close supervision with either myself, or one of other Authorized User physicians in our Interventional Oncology practice. He has been trained in and participated in these cases including preparation of the treatment room and the delivery set to minimize risk of contamination and the delivery of the Y-90 microspheres. To further supplement his knowledge base and experience, Dr. Christenson attended and participated in a comprehensive multiday course (Y-90: The Complete Course) sponsored by the Society of Radiology in Scottsdale, Arizona in February of 2014.

Dr. Christenson is a bright, thoughtful and competent physician and I am confident that he has the necessary training and skills to safely deliver Y-90 microspheres in the treatment of unresectable hepatic malignancies. Please contact me at your convenience if you require further information (mobile – 303-854-4798)

Sincerely,

Matthew Gipson, MD Assistant Professor Interventional Radiology University of Colorado Hospital



American Board of Radiology - Program Director Attestation

COMPLIANCE WITH NRC TRAINING AND EXPERIENCE REQUIREMENTS

More information can be found at the following link: http://www.nrc.gov/reading-rm/doc-collections/cfr/part035/part035-0290.html

nian hasterson Resident Name

UNIV OF COLORADO Program

<u>D6-02-06-2</u> Program#

	YES	NO
By the time of the ABR oral examination, this applicant will have successfully completed the hours of training and experience as outlined in 10 CFR 35.290, 35.392, and 35.394	2	
This applicant has taken part in \geq 3 cases of oral administration of I-131 therapy \leq 33mCi	V	
This applicant has taken part in \geq 3 cases of oral administration of I-131 therapy >33 mCi	V	
The resident's log of these therapy experiences (date, dose, and preceptor attestation) is attached	4	
The work experience cited above for § 35.290 was obtained under the supervision of an Authorized User (AU) who meets the requirements under relevant sections of § 35.290 or equivalent Agreement State requirements	4	
The work experience cited above for § 35.392 was obtained under the supervision of an Authorized User (AU) who meets the requirements under § 35.390, 35.392 or 35.394 or equivalent Agreement State requirements	4	
The work experience cited above for § 35.394 was obtained under the supervision of an Authorized User (AU) who meets the requirements under § 35.390 or 35.394 or equivalent Agreement State requirements.	4	

DAVID RUBINSTEIN, MD Residency Program Director

(Print Name)

utto

2/15/13 Date

Program Director (Signature)

"None"

I-131 Therapy Experience Log

Bian Christenson Resident Name

Dose Administered Date ≤33mCi 15 mGt 1. 10/13/10 Print Name Sign Name 2) mli 2. 4/18/12 Sign Name 15 mii 0 Sign Name **Dose Administered** 75 m (i 1p Sign'Name 100 m (i 2. 9/30/2010 Sign Name Bill Kursonia Somli 3. 10/8/2010 Sign/Name

UNIV OF DOLORADO D6-02-06-2 Program & Number

Preceptor (AU) Print & Sign Name

indersouth

Print Name

3. 4/18/12

Bill Klingersmith Print Name

Date >33 mCi 1. 9/30/2010

Preceptor (AU) Print & Sign Name

Print Name

Bill Klingensmith Print Name

NRC FORM 313A (AUD) (05-2012)

U.S. NUCLEAR REGULATORY COMMISSION

AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (for uses defined under 35.100, 35.200, and 35.500) [10 CER 35 190, 35 290, and 35 590]

APPROVED BY OMB: NO. 3150-0120 EXPIRES: (05/31/2015)

[10 CFR 35.190,	35.290, and 3	5.590]		
Name of Proposed Authorized User		State or Territory Where Licens	ed	
Brian Christenson, M.D.		CO, MT		
Requested Authorization(s) (check all that	apply)	L		
✓ 35.100 Uptake, dilution, and excretion	studies			
✓ 35.200 Imaging and localization studie	S	,		
35.500 Sealed sources for diagnosis (specify device)			
		G AND EXPERIENCE three methods below)		
* Training and Experience, including boar the date of application or the individual the required training and experience wa education and experience related to the	must have obtaine as completed. Pro	ed related continuing education wide dates, duration, and dea	on and experie	ence since
✓ 1. Board Certification				
a. Provide a copy of the board certific	ation.			
 b. If using only 35,500 materials, stop Preceptor Attestation. 	here. If using 35	.100 and 35.200 materials, s	kip to and com	plete Part II
2. Current 35.390 Authorized User	Seeking Additior	al 35.290 Authorization		
 a. Authorized user on Materials Licer State requirements seeking author b. Supervised Work Experience. (If more than one supervising indiv copies of this section.) 	rization for 35.290			•
Description of Experience		f Experience/License or Number of Facility	Clock Hours	Dates of Experience*
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs				
	Total Hours	of Experience:		
Supervising Individual		License/Permit Number listing authorized user	supervising ind	ividual as an
Supervisor meets the requirements be		t Agreement State requireme in 32.290(c)(1)(ii)(G)	nts (check all i	that apply).

NRC FORV 313A (AUD) (05-2012)

FORM 313A (AUD) AUTHORIZED USER TRAINING A	ND EXPERIENCE AND PRECEPTOR AT	NUCLEAR REGULA	
3. Training and Experience for Propo	sed Authorized User		
a. Classroom and Laboratory Training			
Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation			
Radiation protection			
Mathematics pertaining to the use and measurement of radioactivity			
Chemistry of byproduct material for medical use <i>(not required for</i> 35.590)			
Radiation biology			
	Total Hours of Training:		
	letion of this table is not required for 35.590 lual is necessary to document supervised w n.)		
Supervised Work Experience	Total Hours of Experience:		
Description of Experience Must Include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys		Yes	
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters		Yes	

Training and Experience for Propo b. Supervised Work Experience. (cc		ed User (continued)		
Description of Experience Must Include:	Locat	tion of Experience/Lic Permit Number of Fac		Confirm	Dates of Experience
Calculating, measuring, and safely preparing patient or human research subject dosages				Yes No	
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material			-	Yes No	
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures					
Administering dosages of radioactive drugs to patients or human research subjects					
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs				☐ Yes ☐ No	
Supervising Individual		License/Permit N authorized user	lumber listing su	pervising indiv	idual as an
Supervisor meets the requirements be	elow, or equiv] 35.390	alent Agreement Stat			
c. For 35.590 only, provide documenta	ation of trainin	ig on use of the devic	e.		
Device	Type of T	raining	Loca	tion and Dat	es
					······

NRC FORM :	313A I	AUD)	(05-2012)
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NRC FO (05-2012)	RM 313A (AUD) AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)					
	PART II – PRECEPTOR ATTESTATION					
Note:	This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. (Not required to meet training requirements in 35.590)					
	By checking the boxes below, the preceptor is attesting that the individual has knowledge to fulfill the duties of the position sought and not attesting to the individual's "general clinical competency."					
	Section one of the following for each use requested:					
	35.190					
101	Board Certification					
	I attest that has satisfactorily completed the requirements in Name of Proposed Authorized User					
	10 CFR 35.190(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.					
	OR					
	Training and Experience					
	has satisfactorily completed the 60 hours of training and					
	Name of Proposed Authorized User					
	experience, including a minimum of 8 hours of classroom and laboratory training, required by 10 CFR 35.190(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.					
For	35.290					
	Board Certification					
	I attest that Brian Christenson, M.D. has satisfactorily completed the requirements in					
	Name of Proposed Authonzed User					
	10 CFR 35.290(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.					
	OR					
	Training and Experience					
	I attest that has satisfactorily completed the 700 hours of training					
	Name of Proposed Authorized User and experience, including a minimum of 80 hours of classroom and laboratory training, required by 10 CFR 35.290(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.					
Sacar						
respected and a second	ete the following for preceptor attestation and signature:					
	I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:					
	35.190					
Name of	Preceptor Signature Telephone Number Date					
Phillip I	Koo, M.D. AC 848-1213 1/20/14					
License	/Permit Number/Facility Name					
Univers	Permit Number/Facility Name					

NRC FORM 313A (AUD: -05-2012)

PAGE 4

NRC FORM 313A (05-2012)	(AUT)		U.S. NUCLE	AR REGULATORY	COMMISSION		
AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (for uses defined under 35.300) [10 CFR 35.390, 35.392, 35.394, and 35.396]						APPROVED BY OMB: NO. 3150-0120 EXPIRES: (05/31/2015)	
Name of Propos	ed Author	ized User		State or Territory	Where License	ed	
Brian Christenso	on, M.D.			CO, MT			
Requested Aut	horizatio	n(s) (check all the	at apply):	1 A.			
35.300	35.300 Use of unsealed byproduct material for which a written directive is required						
OR							
✓ 35.300		ministration of sc gabecquerels (33		equiring a written	directive in	quantities less than or equal to	
✓ 35.300		ministration of so equerels (33 millio		equiring a written	directive in	quantities greater than 1.22	
35.300			n of any beta-emitte a written directive is		ting radionuc	clide with a photon energy less	
35.300	Parente	eral administration	n of any other radio	nuclide for which	a written dire	ective is required	
				NING AND EXPE			
date of app training and experience	 Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above. 						
✓ 1. <u>Board (</u>							
		of the board certifi					
b. For 35.3 be used to	390, prov docume	ide documentation int this experience	on on supervised cli e.	nical case experi	ence. The ta	able in section 3.c. may	
c. For 35.3 and super document	vised clin	ical case experie	n on classroom and nce. The tables in	d laboratory traini sections 3.a., 3.b	ng, supervise ., and 3.c. m	ed work experience, ay be used to	
d. Skip to a	and comp	olete Part II Prece	eptor Attestation.				
2. Current	35.300,	35.400, or 35.60	0 Authorized Use	Seeking Additi	onal Author	ization	
a. Authoriz	ed User	on Materials Lice	ense		under	the requirements below or	
equivale	ent Agree	ement State requ	irements (check all	that apply):			
35.3	390	35.392	35.394	35.490	35.690)	
required su	pervised	case experience	of clinical uses und The table in secti Part II Preceptor A	on 3.c. may be us	de document sed to docun	ation on additional nent this	
documenta case exper	ition on c ience. T	lassroom and lab	ons 3.a., 3.b., and	pervised work ex	perience, an	d supervised clinical	
NRC FORM 313A (AUT) (0	05-2012)				-	PAGE 1	

				ATION (c	<u></u>
3. Training and Experience for			_		
a. Classroom and Laboratory T	aining 35.390	35.392	35.394		35.396
Description of Training	Location	of Training	1	Clock Hours	Dates of Training*
Radiation physics and instrumentation					
Radiation protection		,			
Mathematics pertaining to the use and measurement of radioactivity					
Chemistry of byproduct material for medical use					
Radiation biology					
	Total Hours of Trainin	g:			
 b. Supervised Work Experience If more than one supervising of this page. Supervised Wo 	individual is necessary to		35.394 rvised training, rs of Experienc		35.396 multiple copies
Description of Experience		erience/License o		na () (1 1999), an an	Dates of
Must Include:		ber of Facility	C	onfirm	Experience
Ordering. receiving, and unpacking radioactive materials				Yes	and the second s
				No	
related radiation surveys Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of				No Yes No	
safely and performing the related radiation surveys Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters Calculating, measuring, and safely preparing patient or human research subject dosages				Yes	
related radiation surveys Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters Calculating, measuring, and safely preparing patient or human research subject				Yes No Yes	

NRC FORM 313A (AUT)

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		Proposed Authorized	User (continued)	
b. Supervis	ed Work Experience	ce (continued)		
Supervising I	ndividual		License/Permit Number listing supervising ind authorized user	lividual as an
Supervising apply)**:	individual meets th	ne requirements below	, or equivalent Agreement State requirements	(check all that
35.390	With experience	administering dosage	s of:	
35.392			rective in quantities less than or equal to 1.22	
35.394		els (33 millicuries)		
35.396			han 1.22 gigabecquerels (33 millicuries)	
Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required				
			her radionuclide requiring a written directive	
c. Supervise	authorized user status. ed Clinical Case Ex	perience g individual is necessa	tering dosages in the same dosage category or categorie ry to document supervised work experience, j	
Descriptio	on of Experience	Number of Cases Involving Personal Participation	Location of Experience/License or Permit Number of Facility	Dates of Experience*
iodide I-131	tration of sodium requiring a written uantities less than			

Oral administration of sodium iodide I-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)		
Oral administration of sodium iodide I-131 requiring a written directive in quantities greater than 1.22 gigabecquerels (33 millicuries)		
Parenteral administration of any beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required		
Parenteral administration of any other radionuclide for which a written directive is required	-	

NRC FCRM 313A (AUT) (05-2012)

RC FORM 313A (AUT)	U.S. NUCLEAR REGULATORY COMMISSION						
AUTHORIZED USER TRAINING AND EXPI	ERIENCE AND PRECEPTOR ATTESTATION (continued)						
3. Training and Experience for Proposed Author	rized User (continued)						
c. Supervised Clinical Case Experience (continu	ued)						
Supervising Individual	License/Permit Number listing supervising individual as an authorized user						
Supervising individual meets the requirements be apply)**:	elow, or equivalent Agreement State requirements (check all that						
35.390 With experience administering dos	35.390 With experience administering dosages of:						
gigabecquerels (33 millicuries)	n directive in quantities less than or equal to 1.22						
Oral Nal-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)							
	eta-emitter, or photon-emitting radionuclide with a photon iring a written directive is required						
Parenteral administration of an	y other radionuclide requiring a written directive						
** Supervising Authorized User must have experience in ad requesting authorized user status.	ministering dosages in the same dosage category or categories as the individual						
d. Provide completed Part II Preceptor Attestatio	n.						
PART II – PR	ECEPTOR ATTESTATION						
individual as long as the preceptor provides, d	s preceptor. The preceptor does not have to be the supervising lirects, or verifies training and experience required. If more than rience, obtain a separate preceptor statement from each.						
By checking the boxes below, the preceptor is the position sought and not attesting to the ind	attesting that the individual has knowledge to fulfill the duties of ividual's "general clinical competency."						
rst Section heck one of the following for each requested auth	norization:						
For 35.390:							
Board Certification							
I attest that Name of Proposed Authorized U	has satisfactorily completed the training and experience						
requirements in 35.390(a)(1).							
	OR						
Training and Experience							
I attest that	has satisfactorily completed the 700 hours of training						
	0 hours of classroom and laboratory training, as required by						

NRC FORM 313A (AUT) U.S. NUCLEAR REGULATORY COMMISSION					
AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)					
Preceptor Attestation (continued)					
First Section (continued)					
For 35.392 (Identical Attestation Statement Regardless of Training and Experience Pathway):					
✓ I attest that Brian Christenson, M.D. has satisfactorily completed the 80 hours of classroom Name of Proposed Authorized User					
and laboratory training, as required by 10 CFR 35.392(c)(1), and the supervised work and clinical case experience required in 35.392(c)(2).					
For 35.394 (Identical Attestation Statement Regardless of Training and Experience Pathway):					
✓ I attest that Brian Christenson, M.D. has satisfactorily completed the 80 hours of classroom Name of Proposed Authorized User					
and laboratory training, as required by 10 CFR 35.394 (c)(1), and the supervised work and clinical case experience required in 35.394(c)(2).					
Second Section					
I attest that Brian Christenson, M.D. has satisfactorily completed the required clinical case Name of Proposed Authorized User has satisfactorily completed the required clinical case					
experience required in 35.390(b)(1)(ii)G listed below:					
✓ Oral Nal-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)					
✓ Oral Nal-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)					
Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required					
Parenteral administration of any other radionuclide requiring a written directive					
Third Section					
I attest that Brian Christenson, M.D. has satisfactorily achieved a level of competency to					
function independently as an authorized user for:					
✓ Oral Nal-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)					
✓ Oral Nal-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)					
Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required					
Parenteral administration of any other radionuclide requiring a written directive					

NRC FORM 313A (AUT)				U.S. NUCLEAR REGUL	ATORY COMMISSION
AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)					
Fourth Section					
For 35.396:					
Current 35.490 or	35.690 autho	orized user:			
I attest that			is an authorized	user under 10 CFR 35.4	190 or 35 690
	Name of Pro	posed Authonzed User			
laboratory trainir	ng, as require ired by 35.39	ed by 10 CFR 35. 6(d)(2), and has	396 (d)(1), and the sup	leted the 80 hours of cla pervised work and clinica npetency sufficient to fu	al case
		of any beta-emit written directive i		radionuclide with a photo	on energy less
Parenteral ac	dministration	of any other radi	onuclide for which a wr	itten directive is required	I
			OR		
Board Certification	<u>):</u>				
I attest that		posed Authorized User	has satisfactorily	completed the board ce	ertification
required by 10 C	FR 35.396 (o d has achieve	d)(1) and the sup	ervised work and clinic	of classroom and labora al case experience requ nction independently as	ired by
		of any beta-emitt written directive i		adionuclide with a photo	on energy less
Parenteral ac	Iministration	of any other radio	onuclide for which a wr	itten directive is required	
Fifth Section Complete the following fo	or preceptor	attestation and	signature:		
✓ I meet/the requirem	ents below, o	r equivalent Agro	eement State requirem	ents, as an authorized u	ser for:
35.390	35.392	✓ 35.394	0 35.396		
I have experience administering dosages in the following categories for which the proposed Authorized User is requesting authorization.					
Oral Nal-131 requiring a written directive in quantities less than or equal to 1.22 gigabecquerels (33 millicuries)					
✓ Oral Nal-131 in quantities greater than 1.22 gigabecquerels (33 millicuries)					
Parenteral administration of beta-emitter, or photon-emitting radionuclide with a photon energy less than 150 keV requiring a written directive is required					
Parenteral administration of any other radionuclide requiring a written directive					
Name of Preceptor Signature 1 / Telephone Number Date					
Phillip Koo. M.D.		11/	\subseteq	7:10-878-1.213	1/22/14
.icense/Permit Number/Facilit	2				
University of Colorado, Denv	er / U.v.	ins tjot	Colorado Hi	25, Ach 528.	U 1

NRC FORM 3134 -AUT) (05-2012)



Colorado Department of Public Health and Environment

Pursuant to the Colorado Radiation Control Act, Title 25, Article 11, Colorado Revised Statutes, and the State of Colorado Rules and Regulations Pertaining to Radiation Control (the Regulations), and in reliance on statements and representations heretofore made by the licensee designated below; a license is hereby issued authorizing such licensee to transfer, receive, possess and use the radioactive material(s) designated below; and to use such radioactive material(s) for the purpose(s) and at the place(s) designated below. This license is subject to all applicable rules, regulations, and orders now or hereafter in effect of the Colorado Department of Public Health and Environment and to any conditions specified below.

- 1. Licensee: University of Colorado Hospital
- Mailing Address: AMC, Leprino Office Building, 12401 East 17th Avenue, 5th Floor, Room 5-547, Mailstop L-954, Aurora, Colorado 80045
- 3. License Number: Colo. 828-01, Amendment Number 45
- 4. Expiration date: November 30, 2016

5. Authorized Storage/Use Locations:

- A. Anschutz Outpatient Pavilion, 1635 Aurora Court, Aurora, Colorado 80045
- B. Anschutz Cancer Pavilion, 1665 Aurora Court, Aurora, Colorado 80045
- C. Anschutz Inpatient Pavilion, 12605 East 16th Avenue, Aurora, Colorado 80045
- D. UCH Lone Tree Health Center, 9548 Park Meadows Drive, Lone Tree, Colorado 80124
- E. Anschutz Inpatient Pavilion 2, 12505 East 16th Avenue, Aurora, Colorado 80045
- The Designated Radiation Safety Officer is: Deirdre H. Elder The Designated Alternate Radiation Safety Officers are: Steven M. Jones, M.S.; Joel R. McAllister, M.S.
- 7. Radiation Safety Officer Contact Number: (720) 848-6549
- 8. Fee Category: 7.C and 3.E
- 9. Reference Number: IC, NSTS, PET, Compliance Order No. 12-06-25-01

CONDITIONS

10. Authorized Radioactive Material and Uses:

A. The licensee is authorized to possess and use any unsealed radioactive material for uptake, dilution, or excretion studies which has been prepared for medical use in accordance with the requirements of Section 7.30 of the Regulations. The licensee shall not possess more than 370 GBa (10 Ci) of these materials at any one time.

7.C Revision 10

License No. Colo. 828-01, Amendment No. 45

Page 1 of 16

- B. The licensee is authorized to possess and use any unsealed radioactive material for imaging and localization studies which has been prepared for medical use in accordance with the requirements of Section 7.32 of the Regulations. The licensee shall not possess more than 370 GBq (10 Ci) of these materials at any one time.
 - i. This authorization includes radioactive aerosols and gases in accordance with Section 7.34 of the Regulations.
 - ii. This authorization includes positron-emitting isotopes.
- C. The licensee is authorized to possess any unsealed radioactive material for which a written directive is required which has been prepared for medical use in accordance with the requirements of Section 7.36 of the Regulations. The licensee shall not possess more than 370 GBq (10 Ci) of these materials at any one time. The licensee is authorized to use these materials as per the following authorized subsections of Section 7.36 only:
 - i. Use of any unsealed radioactive material for diagnostic or therapeutic medical use for which a written directive is required in accordance with Section 7.36.2 of the Regulations.
 - ii. Use limited to oral administration of \leq 1.22 GBq (33 mCi) of I-131 Sodium Iodide in accordance with Section 7.36.3 of the Regulations.
 - iii. Use limited to oral administration of > 1.22 GBq (33 mCi) of I-131 Sodium Iodide in accordance with Section 7.36.4 of the Regulations.
 - iv. Use limited to parenteral administration in accordance with Section 7.36.5 of the Regulations.
- D. The licensee is authorized to possess and use sealed sources in accordance with Section 7.42 of the Regulations for manual brachytherapy. The licensee shall not possess more than 370 GBq (10 Ci) of these materials at any one time.
- E. The licensee is authorized to possess and use 2 sealed sources in accordance with Section 7.48 of the Regulations for use in a Varisource iX High Dose Rate (HDR) Remote Afterloading Brachytherapy Unit. The total activity shall not exceed 777 GBq (21 Ci) of Ir-192. The source activity may not exceed 407 GBq (11 Ci) at the time of installation.
- F. The licensee is authorized to possess and use not more than a total of 44.84 GBq (1.32 Ci) of I-125 for use in a GliaSite Brachytherapy (GSB) Device in accordance with Section 7.62 of the Regulations to deliver intracavity radiation therapy in patients following malignant brain tumor resection surgery.
- G. The licensee is authorized to possess and use no more than 42 GBq (1.135 Ci) of Y-90 microspheres for use in a Sirtex SIR-Spheres (MS-SIR) brachytherapy afterloader system in accordance with Section 7.62 of the Regulations. The total activity of Y-90 contained in each vial shall not exceed 7.0 GBq (189 mCi).

7.C Revision 10

License No. Colo. 828-01, Amendment No. 45

- H. The licensee is authorized to possess and use no more than 100 GBq (2.703 Ci) of Y-90 microspheres for use in a MDS Nordion TheraSphere (MS-TS) therapy device in accordance with Section 7.62 of the Regulations. The total activity of Y-90 contained in each vial shall not exceed 20 GBq (540 mCi).
- I. The licensee is authorized to possess and use sealed sources for patient attenuation corrections and for Positron Emission Tomography (PET) camera quality control as part of the General Electric PET/CT scanner. Each sealed source contains not more than 56 MBq (1.5 mCi) of Ge-68. The total activity of all such sources shall not exceed 185 MBq (5 mCi) of Ge-68.
- J. The licensee is authorized to possess and use any radioactive materials specified in Section 7.19 of the Regulations for check, calibration, and reference use.

K. |

L. The licensee is authorized to possess and use one Gd-153 sealed source and one Co-57 sealed source contained in a Siemens Symbia T16 SPECT/CT unit for calibration and quality control. Activities of these sources shall not exceed 30 mCi as per section 7.19 of the Regulations.

11. Authorized Users:

A. Radioactive material authorized in Item 10 shall be used by or under the supervision of the following authorized users as specified:

Name of Authorized User	Authorized Use(s)
Brian Bagrosky, M.D.	7.30, 7.32, 7.36.3, 7.36.4, 7.36.5
Janette D. Durham, M.D.	7.62(MS-SIR), 7.62(MS-TS)
Christine M. Fisher, M.D.	7.42.2, 7.48(HDR)
Lauric E. Gaspar, M.D.	7.42.2, 7.48(HDR), 7.62(GSB), 7.62(MS-SIR), 7.62(MS-TS)
Matthew G. Gipson, M.D.	7.30, 7.32, 7.62(MS-SIR), 7.62(MS-TS)
Sana D. Karam, M.D., Ph.D.	7.42.2, 7.48(HDR)
Brian D. Kavanagh, M.D.	7.42.2, 7.48(HDR), 7.62(GSB)
Phillip Koo, M.D.	7.30, 7.32, 7.36.2
Jennifer Kwak, M.D.	7.30, 7.32, 7.36.2
Arthur K. Liu, M.D.	7.42.2, 7.48(HDR)
Jamaluddin Moloo, M.D.	7.30, 7.32
Robert A. Quaife, M.D.	7,30, 7.32, 7.36.2
David Raben, M.D.	7.42.2, 7.48(HDR)
Rachel A. Rabinovitch, M.D.	7.42.2, 7.48(HDR)
Tracey E. Schefter, M.D.	7.42.2, 7.48(HDR), 7.62(MS-SIR), 7.62(MS-TS)

License No. Colo. 828-01, Amendment No. 45

Name of Authorized Medical Physicist	Authorized Use
Mustafa Altunbas, Ph.D.	7.42.2, 7.48(HDR), 7.62(MS-SIR), 7.62(MS-TS)
Adam L. Kesner, Ph.D.	7.62(MS-SIR), 7.62(MS-TS)
Moyed Miften, Ph.D.	7.42.2, 7.48(HDR), 7.62(MS-SIR)
Francis Newman, M.S.	7.42.2, 7.48(HDR), 7.62(MS-SIR), 7.62(MS-TS)
Leah Schubert, Ph.D.	7.42.2, 7.48(HDR)
Kelly Stuhr, M.S.	7.42.2, 7.48(HDR), 7.62(MS-TS)
David Westerly, Ph.D.	7.42.2, 7.48(HDR)

B. The following individuals are designated as authorized medical physicists:

- C. Radioactive material specified in Section 7.19 of the Regulations may be used by or under the supervision of any of the authorized users listed above, by the designated Radiation Safety Officer or alternate Radiation Safety Officer, and by any authorized medical physicist listed on this license.
- D. Authorized users of radioactive materials in Item 10.F shall have completed initial training by the manufacturer prior to their initial use of the GliaSite Brachytherapy Device.
- E. Radioactive material authorized in Item 10.1 and 10.L may be used by or under the supervision of any of the authorized users listed above and by the designated Radiation Safety Officer or alternate Radiation Safety Officer and by any authorized medical physicist listed on this license.
- F. Radioactive material authorized in Item 10.K shall be used by or under the supervision of Ronald Lepoff, M.D.
- G. Radioactive materials authorized in Items 10.A, 10.B, and 10.C which will be administered to human subjects or used to intentionally expose human subjects to radiation for research, shall only be used by or under the supervision of individuals, listed as Authorized Users in Item 11.A and who have been designated as Principal Investigators by the University of Colorado Denver Committee on Ionizing Radiation, after research protocols have been approved by an Institutional Review Board, prior informed consent from the human subjects has been obtained, and the University of Colorado Hospital Radiation Safety Committee has approved the human use research project.
- H. The Radiation Safety Officer shall maintain documentation of the training and experience for each authorized user of radioactive materials. This documentation shall include for each user: a copy of the applicable board certifications, preceptor statements, and any other relevant training documents.

7.C Revision 10

License No. Colo. 828-01, Amendment No. 45

Page 4 of 16

12. General Requirements:

- A. The licensee shall comply with all applicable provisions of the Regulations including: Part 1, "General Provisions"; Part 3, "Licensing of Radioactive Material"; Part 4, "Standards for Protection Against Radiation"; Part 7, "Use of Radionuclides in the Healing Arts"; Part 10, "Notices, Instructions and Reports to Workers; Inspections"; and Part 17, "Transportation of Radioactive Material".
- B. The Radiation Safety Officer shall maintain documentation of the training and experience for each person who uses radioactive materials under the supervision of an authorized user.
- C. Radioactive material authorized in Item 10.B shall be used for medical diagnosis and research in humans in accordance with any applicable Food and Drug Administration (FDA) requirements.
- D. Each person who uses radioactive material under the supervision of an authorized user shall be supervised and receive instruction in accordance with the requirements of Section 7.10 and Section 10.3 of the Regulations.
- E. The licensee shall not transfer possession and/or control of radioactive materials or items contaminated with radioactive material except: by transfer of waste to an authorized recipient; by transfer to a specifically licensed recipient; or, as provided otherwise by specific condition of this license pursuant to the requirements of Part 3, Section 3.22 of the Regulations.
- F. Radioactive material authorized by Item 10 of this license shall be stored and used in a manner that will preclude possession or use by unauthorized personnel.
- G. The licensee shall ensure that information listed in this license is correct and accurate. The licensee shall notify the Department in writing within ten (10) days whenever the information contained in Items 1 through 7 above is no longer current or determined to be incorrect.
- H. The licensee may transport radioactive material or deliver radioactive material to a carrier for transport in accordance with the provisions of Part 17 of the Regulations and the requirements of U.S. Department of Transportation (49 CFR).
- The licensee shall not make any false statement, representation, or certification in any application, record, report, plan, or other document regarding radiation levels, tests performed or radiation safety conditions or practices.

13. Specific Radiation Safety Requirements:

A. Each sealed source authorized in Item 10 of this license or in Section 7.19 of the Regulations shall be tested for leakage and/or contamination in accordance with the

7.C Revision 10

requirements of Section 7.20.2 of the Regulations, and Part 4, Section 4.16 of the Regulations, at intervals not to exceed six (6) months.

- B. The licensee shall acquire and maintain a current copy of the applicable Sealed Source and Device Registry Evaluation for each brachytherapy device/source in use by the licensee. Unless alternative operating procedures are specifically authorized by this license, the licensee shall comply with the safety precautions and limitations established in the applicable device registry evaluation.
- C. Source installation and maintenance of the HDR device authorized in Item 10.E shall be performed in accordance with Section 7.49 of the Regulations.
- D. An authorized user designated in license condition 11 of this license shall perform the lotrex administration procedures and shall remove activity from the RTS balloon.
- E. Authorized users of radioactive materials in Item 10.G and any authorized users subsequently approved for use, shall complete the Sirtex SIR-Spheres training prior to initial use.
- F. The Sirtex SIR-Spheres therapy device shall be used with the Delivery Set and Delivery Box in accordance with the manufacturer's instructions.
- G. Authorized users of radioactive materials in Item 10.H and any authorized users subsequently approved for use, shall complete the MDS Nordion TheraSphere Radiotherapy System training program prior to initial use.
- H. The MDS Nordion TheraSphere system shall be used with the Administration Set and Accessory Kit in accordance with the manufacturer's instructions. Only an inflation syringe capable of delivering a liquid volume of 20cc with a minimum pressure of 10 psig should be used with the Administration Set in accordance with the manufacturer's instructions.
- The MDS Nordion TheraSphere Radiotherapy System is approved by the U.S. Food and Drug Administration under the provisions of a Humanitarian Device Exemption (HDE No. H9800006). Therefore, an Institutional Review Board is required to approve and monitor the use of the TheraSphere device.

14. Special License Requirements:

- A. Installation, relocation, maintenance, repair, leak testing and initial survey of devices that contain radioactive material and replacement, and disposal of sealed sources that contain radioactive material that is used in devices shall be performed only by the manufacturer, or by other persons who are specifically authorized by the U.S. Nuclear Regulatory Commission or an Agreement State having jurisdiction over the possession and use of accelerator produced radioactive material.
- B. The licensee shall establish, implement, and maintain provisions as necessary to comply with the Increased Controls (IC) requirements contained in:

7.C Revision 10

License No. Colo. 828-01, Amendment No. 45

Page 6 of 16

- i. The Department's Increased Controls Bulletin 2009-01; and
- ii. Annex A to this license.
- C. The licensee shall notify the Department at (303) 877-9757 and the NRC's Headquarters Operations Office at (301) 816-5100 within 24 hours if the results from any Increased Controls criminal history records check indicate that an individual is identified on the FBI's Terrorist Screening Data Base.
- D. Unless prohibited by this license, the licensee shall:
 - i. Report any manufacture, transfer, receipt, disassembly, or disposal of a nationally tracked source, as specified in Annex B to this license; and
- E. Report annually to the NSTS database as specified in Annex B to this license.

15. Licensee Commitments and Reference Documents:

The State of Colorado Rules and Regulations Pertaining to Radiation Control shall govern unless the licensee's statements, representations, and procedures contained in the application and correspondence are more restrictive than the Regulations. Except as specifically provided otherwise by this license, the licensee shall possess and use radioactive material described in Item 10 of this license in accordance with the statements, representations, and procedures contained in:

- A. the application and attachments dated October 13, 2011; and
- B. the license correspondence and attachments dated March 1, 2012; March 21, 2012; May 4, 2012; July 27, 2012; August 13, 2012; August 23, 2012 (email); August 30, 2012 (email); August 31, 2012 (email); December 3, 2012; January 7, 2013; February 20, 2013; March 4, 2013; March 7, 2013; April 24, 2013 (email); June 26, 2013; July 12, 2013; August 13, 2013; August 21, 2013 (email); November 19, 2013; February 4, 2014;
- C. the University of Colorado Hospital Radiation Safety Manual: Policies and Procedures dated August 2011; and
- D. Compliance Order No. 12-06-25-01 dated June 25, 2012.

FOR THE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT

By: Jennifer 7. Opila Date: March 4, 2014



PHYSICIAN PARTICIPANT CERTIFICATE OF CONTINUING EDUCATION

Â

SIR certifies that

Brian M. Christenson

participated in the

2014 Y-90: The Complete Course

February 6-9, 2014 Scottsdale, Arizona

Brian M. Christenson received a total of 21.25 AMA PRA Category 1 CreditsTM.

The Society of Interventional Radiology is accredited by the

Accreditation Council for Continuing Medical Education (A CCME) to provide Continuing Medical Education for physicians.

Â

The Society of Interventional Radiology designates this enduring material CMEÅ activityÂ for a maximum of 21.25 AMA PRA Category 1 CreditsTM.

Â

Physicians should only claim credit commensurate with the extent of their participation in the activity.

Note: If the recipient of this CME Certificate is not a physician (MD or DO), this certificate is null and void. SIR can only provide AMA PRA Category 1 CreditTM CME Certificates to physicians.

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Jennifer L. Rowley

Jennifer L Rowley Senior Manager, Professional Education and Certification

Society of Interventional Radiology | 3975 Fair Ridge Drive, Saite 400 North | Fairfax, VA 22033 Tel: 703.691.1805 | Fax: 703.691.1855 | E-mail: <u>CME@SIRweb.org</u> www.SIRweb.org

CertificateNumber: 209642C_U1605_A4926_O1_T1

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Enhanced care through advanced technology*

The Society of Interventional Radiology Certificate of Completion

Brian M. Christenson

has completed 21.5 hours of course work and successfully passed a formal examination in the following areas during the Society of Interventional Radiology's Y90: The Complete Course, held February 6-9, 2014, in Scottsdale, Arizona. The course content was based upon the Nuclear Regulatory Commission's Microsphere Brachytherapy Sources and Devices, Licensing Guidance - TheraSphereA® and SIR-SpheresA® Yttrium-90 Microspheres, revised January 2011 as related to Authorized Use (AU) status for intra-arterial Y90 in the treatment of hepatic malignancies.

In witness whereof, we have hereunto affixed our signatures Society of Interventional Radiology - Fairfax, Virginia, March 1, 2014

Matthew S. Johnson, MD, FSIR **Y90 Program Coordinator**

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Robert J. Lewandowski, M.D., FSIR Daniel Sze, M.D., PhD, FSIR Northwestern Memorial Hospital Chicago

Don Ar

Stanford University Medical Center Stanford, Califf

Course content of the SIR Y90: The Advanced Course includes the following topic areas:

Y90 Dosimetry Simplified Mathematical calculations for doses for TheraSphere Mathematical calculations for doses for SIR-Sphere **Comparing Y90 Devices** Historical Perspective on Liver Cancer **AU Requirements** Conta of the Auto Trantmant Constantias HCC **Health Policy and Economics** Metastatic Colon and Rectal Carcinoma Professional Coding and Reimbursement Strategies Liver Dominant Metastatic Disease National Health Policy and Liver Cancer: Where Should Hepatobiliary Surgery for Malignancy Y90 Fit in? **Basic Principles of Radiation Physics for Y-90** Radiation Safety Issues Treatment and Follow-up Fundamentals of Radiation Physics and Instrumentation Radiation Protection Dosimetry Mathematics Pertaining to the Use and Measurement of Radioactivity Advanced Concepts in Y90: Round Table Panel Brachytherapy Discussion Y90 Re-treatment **Radiation Biology** Segmectomy/Lobectory Basic Radiation Concepts Adjuvant Chemo Therapy, Metastatic Disease Radiation Chemistry Sorafenib and Y90, HCC Hepatic Radiation Biology Re-section Following Y90 Re-distribution **Y90 Patient Selection and Outcomes - HCC** Shunt Over 20 Percent and Portal Thrombos is Diagnosis of HCC and Guidelines Recognizing Radiation Hepatitis Outcomes of Y90 Managing GI Complaints Nuances of Y90 for Neuroendocrine Cancer **Y90** Patient Selection and Outcomes - Metastic Disease Chemo and Combination Therapy, Metastases Colorectal Cancer Neuroendocrine Tumors **Practice Models: Strategies for Success** Role of Y90 in Other Primaries OAU From an Academic Perspective AU From a Private Practice Perspective The Initial Clinic Visit Unified Multispecialty Practice Benefits of AU Status Pretreatment Anglo and MAA Shunt Study for V90 Achieving AU Status Advanced Anglo for ¥90 **Novel Concepts in Y90** Complex Anomalies Novel Interventional Approaches to Safe Y90 Delivery Advanced Coil Embolization Strategies Using Y90 After XRT to the Liver Mitigating Complications Moffitt Cancer Center; Experience with Cone Beam CT Cholangiocarcinoma and Neuroendocrine Tumors

Review of SIR and ASTRO Consensus Guidelines

Clinical Trials with Y90: Current Status

Anti-Reflux Catheters



PHYSICIAN PARTICIPANT CERTIFICATE **OF CONTINUING EDUCATION**

Â

SIR certifies that

Brian M. Christenson

has received 10.25Å SAM credits Å at theÅ

2014 Y-90: The Complete Course

February 6-9, 2014 Scottsdale, Arizona

The Society of Interventional Radiology (SIR) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide medical education for physicians.

This program has been approved for 10.25 self-assessment module (SAM) credit by the Society of Interventional Radiology (SIR). SIR is awarded Deemed Status by the American Board of Radiology (ABR). The SAMs offered at this live meeting meet the ABR's criteria for a self-assessment toward the purpose of fulfilling requirements in the ABR Maintenance of Certification (MOC) Program.Å

Approved: December 13, 2013

The Society of Interventional Radiology designates this

educational activity for a maximum of Å 21.25Å AMA PRA Category I CreditsTM. These credits have already been calculated in the Y-90: The Complete Course CME Certificate.

Physicians should claim only the credit commensurate with the extent of their participation in the activity

Date of Completion: February 9, 2014

Jennify L. Rousley

Jennifer Rowley Senior Manager of Professional Education and Certification

Society of Interventional Radiology | 3975 Fair Ridge Drive, Suite 400 North | Fairfax, VA 22033 Tel: 703.691.1805 | Fax 703.691.1855 | E-mail: CM E@ SIRweb.org | www.SIRweb.org

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NRC FORM 532 (1-2012)	U. S. NUCLEAR REGULATORY COMMISSION			
NCLEAR REGULATION DAT	re			
07/31.	07/31/2014			
NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE	LICENSE NUMBER			
St. Vincent Healthcare	25-07553-01			
ATTN: Christopher K. Fitz	MAIL CONTROL NUMBER			
Radiation Safety Officer P.O. Box 35200	584470			
Billings, Montana 59107-5200	LICENSING AND/OR TECHNICAL REVIEWER			
	СН			
This is to acknowledge the receipt of your:				
LETTER and/or APPLICATION	DATED: 05/13/2014			
The initial processing, which included an administrativ	ve review, has been performed.			
AMENDMENT TERMINATION	NEW LICENSE RENEWAL			
There were no administrative omissions identified d	uring our initial review.			
This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.				
Your application for a new NRC license did not include your taxpayer identification number. Please fill out NRC Form 531, located at the following link:				
http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf				
Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387				
A copy of your action has been emailed to our Licer our Headquarters office in Rockville, MD. You will b involved.				
Your application has been assigned the above listed MAIL CONTROL NUMBER. When calling to inquire about this action, please refer to this control number. Your application has been forwarded to a technical reviewer. Please note that the technical review, which is normally completed within 180 days for a renewal application (90 days for all other requests), may identify additional omissions or require additional information. If you have any questions concerning the processing of your application, our contact information is listed below:				
Region IV U. S. Nuclear Regulatory Comm DNMS/NMSB - B 1600 E. Lamar Boulevard Arlington, TX 76011-4511 (817) 200-1103 or (817) 200-11				

NRC FORM 532 (1-2012)	U. S. NUCLEAR REGULATORY COMMISSION			
(1-2012) DATE				
07/31/20	14			
NAME AND ADDRESS OF APPLICANT AND/OR LICENSEE	LICENSE NUMBER			
St. Vincent Healthcare	25-07553-01			
ATTN: Christopher K. Fitz	MAIL CONTROL NUMBER			
Radiation Safety Officer P.O. Box 35200	584470			
Billings, Montana 59107-5200	LICENSING AND/OR TECHNICAL REVIEWER			
	СН			
This is to acknowledge the receipt of your:				
✓ LETTER and/or APPLICATION	DATED: 05/13/2014			
The initial processing, which included an administrative	review, has been performed.			
✓ AMENDMENT	W LICENSE RENEWAL			
There were no administrative omissions identified duri	ng our initial review.			
This is to acknowledge receipt of your application for renewal of the material(s) license identified above. Your application is deemed timely filed, and accordingly, the license will not expire until final action has been taken by this office.				
Your application for a new NRC license did not include Please fill out NRC Form 531, located at the following l				
http://www.nrc.gov/reading-rm/doc-collections/forms/nrc531.pdf				
Send the completed NRC Form 531, by facsimile, to the following number: (301) 415-5387				
A copy of your action has been emailed to our License our Headquarters office in Rockville, MD. You will be involved.				
Your application has been assigned the above listed M calling to inquire about this action, please refer to this of been forwarded to a technical reviewer. Please note the normally completed within 180 days for a renewal appl may identify additional omissions or require additional concerning the processing of your application, our con-	control number. Your application has nat the technical review, which is ication (90 days for all other requests), information. If you have any questions			
Region IV U. S. Nuclear Regulatory Commiss DNMS/NMSB - B 1600 E. Lamar Boulevard Arlington, TX 76011-4511 (817) 200-1103 or (817) 200-1140	sion			
NRC FORM 532 1-2012) 7/31/14				

BETWEEN:

Accounts Receivable/Payable and Regional Licensing Branches

[FOR ARPB USE] INFORMATION FROM WBL

Program Code: 02230 Status Code: Pending Amendment Fee Category: 7C Exp. Date: 04/30/2015 Fee Comments: Decom Fin Assur Reqd: N

License Fee Worksheet - License Fee Transmittal

A. REGION

1. APPLICATION ATTAC	HED
Applicant/Licensee:	ST. VINCENT HEALTHCARE
Received Date:	05/13/2014
Docket Number:	3002396
Mail Control Number:	584470
License Number:	25-07553-01
Action Type:	Amendment

2. FEE ATTACHED

Amount:		
Check No .:		

3. COMMENTS

Signed:

Date:

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

1. Fee Category and Amount:

2. Correct Fee Paid. Application may be processed for:

Amendment	:		-		
Renewal:		L.	-		
License:					
3. OTHER				-	
-				_	
		Signed:			
		Date:			