SSM Cardinal Glennon Radiology



No. 0582 P. 2

1465 S. Grand Boulevard St. Louis, MO 63104-1095 phone: 314-577-5600 cardinalglennon.com

1/29/2018

United States NRC Materials Licensing Branch Region III 2443 Warrenville Road STE 210 Lisle, Illinois 60532-4352

RE: Amendment Request to 24-32264-01 Docket No. 030-3553 Control No. 601510

Dear Colleen,

Per your request included with this correspondence is the Radiation Safety Training and Preceptor Attestation NRC form 313A for RSO has been completed.

My cell number and e-mail address is included. Please call or e-mail if you have any questions: Wallace Fuhrman, BA, RSO, CNMT, RT(R)(N) SSM Radiation Safety Officer E-mail: <u>wally.fuhrman@ssmhealth.com</u> Office: (314)268-4012 Cell: (314)795-0891 Fax: (314)577-5399

Thank you for your time in processing this SIR-Spheres Amendment.

Sincerely,

Wallace Fuhrman BA, CNMT, RT(R)(N)

Date

RECEIVED JAN 2 9 2018

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Jan. 29. 2018 11:13AM SSM Cardinal Glennon Radiology

No.0582 P. 3

	UCLEAR REGULATORY COMMISSION	
(06-2018) RADIATION SAFETY (AND EXPERIENCE AND PR [10 CFR	ECEPTOR ATTESTATION	APPROVED BY OMB: NO. 3150-0120 EXPIRES: 06/30/2019
Name of Proposed Radiation Safety Officer		•
Wallace O. Fuhrman		
Requested Authorization(s) The license authorizes the	following medical uses (check a	I that apply):
☐ 35.100	35.400 🗍 35.500 📋 🤅	35.600 (remote afterloader)
🗋 35.600 (teletherapy) 🛛 35.600 (gamma	stereotactic radiosurgery)	35,1000 (Y-90 SIR-Sphere)
•••••	NINING AND EXPERIENCE	
*Training and Experience, including board certification application or the individual must have obtained relate and experience was completed. Provide dates, durate to the uses checked above.	ed continuing education and expe	rience since the required training
1. Board Certification		
a. Provide a copy of the board certification.		
b. Use Table 3.c. to describe training in radiation all types of medical use on the license.	safety, regulatory issues, and em	ergency procedures for
c. Skip to and complete Part II Preceptor Attesta	tion.	
 2. Current Radiation Safety Officer Seeking Au Officer for the Additional Medical Uses Check a. Use the table in section 3.c. to describe training 	ked Above	
procedures for the additional types of medical us		
b. Skip to and complete Part II Preceptor Attesta	tion. OR	
3. Structured Educational Program for Propos		
a. Classroom and Laboratory Training	ed Radiation Galety Office	
Description of Training	Location of Training	Clock Dates of Hours Training*
Radiation physics and instrumentation		
Radiation protection		
Mathematics pertaining to the use and measurement of radioactivity		
Radiation biology	·	
Radiation dosimetry		
Tota	Hours of Training:	· · ·

NRC FORM 313A (RSO) (06-2016)

PAGE 1

Structured Educational Program for Proposed	Radiation Safety Officer (continued)		
 b. Supervised Radiation Safety Experience (if more than one supervising individual is necessary to document supervised work experience, provide multi copies of this section.) 			
Description of Experience	Location of Training/ License or Permit Number of Facility	Dates of Training*	
Shipping, receiving, and performing related radiation surveys			
Using and performing checks for proper operation of instruments used to determine the activity of dosages, survey meters, and instruments used to measure radionuclides			
Securing and controlling byproduct material			
Using administrative controls to avoid mistakes in administration of byproduct material	·		
Using procedures to prevent or minimize radioactive contamination and using proper decontamination procedures			
Using emergency procedures to control byproduct material			
Disposing of byproduct material			
Licensed Material Used (e.g., 35.100, 35.200, etc.)+			

FORM 313A (RSO) 18)	U.S. NUCLEAR REGULA	TORY COMMISSION
RADIATION SAFETY OFFICER TRAINING AN	ID EXPERIENCE AND PRECEPTOR ATTESTATIO	N (continued)
Structured Educational Program for Propos	sed Radiation Safety Officer (continued)	
b. Supervised Radiation Safety Experience (a	continued)	
(If more than one supervising individual is r coples of this section.)	necessary to document supervised work experience,	provide multiple
Supervising Individual	License/Permit Number listing supervising ind Radiation Safety Officer	ividual as a
This license authorizes the following medical u	lises:	
35.100 35.200 35.300	35.400	
35.500 35.600 (remote afterloade	r) 35.600 (teletherapy)	
35.600 (gamma stereotactic radiosurgery)	35.1000 ()	
Description of Training	tory issues, and emergency procedures for all types Training Provided By	Dates of
		Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.500 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses	• · · ·	
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses		
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s): SIR-Sphere Yttrium -90 microsoheres	Training provided by: SIRTEX Medical, Inc. (Reference: Letter from Shane T. Allen, Regional Sales Manager, to Wally Fuhrman, dated 1/12/2018)	01/12/2018

C FORM 313A (RSO) 2016)	U.S. NUCLEAR REGULA	TORY COMMISSION
RADIATION SAFETY OFFICER TRAINING AN	D EXPERIENCE AND PRECEPTOR ATTESTATIO	N (continued)
8. <u>Structured Educational Program for Propos</u>	ed Radiation Safety Officer (continued)	
b. Supervised Radiation Safety Experience (c		
(If more than one supervising individual is n copies of this section.)	ecessary to document supervised work experience,	provide multiple
Supervising Individual	License/Permit Number listing supervising ind Radiation Safety Officer	ividual as a
This license authorizes the following medical us 35.100 35.200 35.300 35.500 35.600 (remote afterloader 35.600 (gamma stereotactic radiosurgery)	35.400	
c. Describe training in radiation safety, regulat use on the license.	ory issues, and emergency procedures for all types	of medical
Description of Training	Training Provided By	Dates of Training*
Radiation safety, regulatory issues, and emergency procedures for 35.100, 35.200, and 35.500 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.300 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.400 uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - teletherapy uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - remote afterloader uses		
Radiation safety, regulatory issues, and emergency procedures for 35.600 - gamma stereotactic radiosurgery uses		
Radiation safety, regulatory issues, and emergency procedures for 35.1000, specify use(s): SIR-Sphere Ynrium -90 microspheres by	Remarked with Wallace O. Fulnman: Written Directive & Medical Events specific to SIR-Sphere Y-90 microspheres reviewed, consistent with 10CFR35.3045 and 2/12/2016 Licensing Guide. Mark G. Haeychen, M.S., J.D., Radiation Sales Offic Same Louis University: NRC Grouse No. 24-0019	01/29/2018

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NRC FORM 313A (RSD) (06-2018)

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• Jan. 29. 2018 11:15AM SSM Cardinal Glennon Radiology

NRC FORM 313A (RSO) (05-2016)	U.S. NUCLEAR REGULATORY COMMISSION
RADIATION SAFETY OFFICER TRAINING AND EXPERIE	NCE AND PRECEPTOR ATTESTATION (continued)
3. Structured Educational Program for Proposed Radiation	on Safety Officer (continued)
 c. Training in radiation safety, regulatory issues, and emerican license (continued) 	gency procedures for all types of medical use on the
Supervising Individual if training was provided by supervising RSO, AU, AMP, or ANP. (If more than one supervising Individual is necessary to document supervised training, provide multiple copies of this page.) (For Y-90 SIR-Sphere; see letter from SIRTEX Medical, Inc.)	cense/Permit Number listing supervising individual
License/Permit lists supervising individual as:	
Radiation Safety Officer Authorized User Authorized Medical Physicist	Authorized Nuclear Pharmacist
Authorized as RSO, AU, ANP, or AMP for the following	medical uses:
35.100 35.200 35.300	35.400
35.500 🔲 35.600 (remote afterloader)	35.600 (teletherapy)
35.600 (gamma stereotactic radiosurgery)	✓ 35.1000 (Y-90 SIR-Sphere)
d. Skip to and complete Part II Preceptor Attestation,	
OR	
4. <u>Authorized User, Authorized Medical Physicist, or A</u> the licensee's license	Authorized Nuclear Pharmacist identified on
a, Provide license number.	
b. Use the table in section 3.c. to describe training in rappocedures for all types of medical use on the licens	
c. Skip to and complete Part II Preceptor Attestation.	
PART II – PRECEPTO	RATTESTATION
Note: This part must be completed by the individual's precept individual as long as the preceptor provides, directs, or one preceptor is necessary to document experience, of	verifies training and experience required. If more than
First Section Check one of the following:	
1. Board Certification	
I attest thatha	s satisfactorily completed the requirements in
10 CFR 35,50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i) a	nd (a)(2)(ii); or 35.50(c)(1).
OR	,
2. Structured Educational Program for Proposed Radia	tion Safety Officers
	s satisfactorily completed a structural educational
Name of Proposed Radiation Safety Officer program consisting of both 200 hours of classroom and radiation safety experience as required by 10 CFR 35. OR	

NRC FORM 313A (RSC	U.S. NUCLEAR REGULATORY COMMISSION
	AFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)
Preceptor Attesta	tion (continued)
First Section (con Check one of the	
3. Addition	al Authorization as Radiation Safety Officer
🔲 l attest tha	at Is an
	Name of Proposed Radiation Salety Officer
🗌 Au	thorized User Authorized Nuclear Pharmacist
🗌 Au	thorized Medical Physicist
aspect	ed on the Licensees license and has experience with the radiation safety ts of similar type of use of byproduct material for which the Individual has tion Safety Officer responsibilities
	AND
Second Section Complete for all (check all that apply):
✓ I attest that	Wallace O. Fuhrman has training in the radiation safety, regulatory issues, and
emergency(by	Name of Proposed Radiation Safety Officer rocedures for the following types of use:
35,100	
□ 35.200	
35.300	oral administration of less than or equal to 33 millicuries of sodium iodide I-131, for which a written directive is required
35.300	oral administration of greater than 33 millicuries of sodium iodide 1-131
<u> </u>	parenteral administration of any beta-emitter, or a photon-emitting radionuclide with a photon energy less than 150 keV for which a written directive is required
35.300	parenteral administration of any other radionuclide for which a written directive is required
35.400	
35.500	
35,600	remote afterloader units
35.600	teletherapy units
35.600	gamma stereotactic radiosurgery units
2 35.1000	emerging technologies, including:
	SIR-Sphere Yttrium-90 microspheres

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IRC FORM 313A (RSO) 26-2016)				U -	.S. NUCLEAR REG	ULATORY COMMISS
RADIATION SAFETY	OFFICER TR	AINING AND EX	PERIENCE AN	ID PRECEP	TOR ATTESTA	TION (continued
			AND			
Third Section Complete for ALL						
✓ I attest that Wallace	ce O. Fuhrman		has achieved a	a level of rac	liation safety kno	owledge
sufficient to function			afety Officer fo	r a medical	use licensee.	
ourth Section complete the following	for Preceptor	Attestation and	signature			
I am the Radiation Safe	atv Officer for	Saint Louis Unive	rsity			н. Т
				Name of Facility	······································	•
License/Permit Number:	24-00196-07		<u> </u>			
lame of Preceptor	·	Signature	0 -1		ephone Number	Date
adma or Freceptor			hunde	16	sehunue tanunnei	

SSM Cardinal Glennon Radiology FAX Cover Page Jan. 29. 2018-11:13AM No. 0582 (SSM Health CARDINAL GLER/NON CHILDREN'S HOSPITAL SSMHealth TO: C.LLEEN CASEY From: WALLY FUNKMAN Phone (sender): 314-795-0891 Phone (recipient): 630 - 829 - 984 2,018 Fax: 630 - 515 - 1078 No, of pages (including cover). _ qSubject line: ______SIR - SPNERES eleg ATION ۰F IF YOU DO NOT RECEIVE ALL PAGES, PLEASE CALL, THE SENDER IMMEDIATELY. THIS FAX SHOULD BE READ BY RECIPIENT ONLY.

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Message:

HMENDMENT REGULET TO 24-32264-01 DOCKET# 030-3-553 CONTROLE 601510

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