www.chkd.org

Radiology Department 601 Children's Lane Norfolk, VA 23507 757.668.7250

MMS81

June 25, 2007

Licensing Assistance Team
U.S. Nuclear Regulatory Commission
Division of Nuclear Materials Safety
Region I
475 Allendale Road
King of Prussia, PA 19406

03020229

Reference:

Radioactive Materials License No. 45-23063-01

Dear Sir or Madam:

We request that our Radioactive Materials License be amended to add David C. Kushner, M.D. as Radiation Safety Officer. Documentation of Dr. Kushner's training and experience is attached.

Should other information be required, please contact our consulting health physicist, Mr. Roy F. Heltzel, Jr. at 757-410-9051.

Very truly yours,

Jim Dahling

Chief Executive Officer

Enclosure

141008

(10-2006)	U.S. NUCLEAR REGULATORY COMMIS	331014		
AND PRECEPTO [10 CI	R TRAINING AND EXPERIENCE OR ATTESTATION FR 35.50]		EXPIRES: 10/	Y OMB: NO. 3150-0120 31/2008
Name of Proposed Radiation Safety Officer	David C. Kushner,	M D	)	
Requested Authorization(s) The license au				
35.100 35.200 35.3	35.400 35.500	35	.600 (remote	e afterloader)
35.600 (teletherapy) 35.6	600 (gamma stereotactic radiosurgery)	35	5.1000 (	)
	ART I TRAINING AND EXPERIENCE elect one of the four methods below)			
*Training and Experience, including board application or the individual must have obtaind experience was completed. Provide do to the uses checked above.	certification, must have been obtained wi ained related continuing education and ex	xperier	nce since the	required training
1. <u>Board Certification</u>				
a. Provide a copy of the board certific	cation.			
<ul> <li>b. Use Table 3.c. to describe training all types of medical use on the lice</li> </ul>	in radiation safety, regulatory issues, an ense.	d emer	rgency proce	dures for
c. Skip to and complete Part II Prece	ptor Attestation.			
	OR			
2. <u>Current Radiation Safety Officer S</u> <u>Officer for the Additional Medical</u>	Seeking Authorization to Be Recognize Uses Checked Above	ed as a	a Radiation	<u>Safety</u>
	escribe training in radiation safety, regula es of medical use for which recognition a			nergency
b. Skip to and complete Part II Pred	ceptor Attestation.			
	OR			
3. Structured Educational Program     a. Classroom and Laboratory Traini	for Proposed Radiation Safety Officer			
Description of Training			Clock	Dates of
	Location of Training		Hours	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 Training:			

## RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)

## 3. 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 multiple 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.)+		

C FORM 313A (RSO)  RADIATION SAFETY OFFICER TRAINING AN	U.S. NUCLEAR REGUI D EXPERIENCE AND PRECEPTOR ATTESTATI	ATORY COMMISSION  ON (continued)
3. Structured Educational Program for Propos		
b. Supervised Radiation Safety Experience (c		
(If more than one supervising individual is national copies of this section.)	necessary to document supervised work experience	e, provide multiple
Supervising Individual	License/Permit Number listing supervising in Radiation Safety Officer	ndividual as a
This license authorizes the following medical u	ses:	
35.100 35.200 35.300	35.400	
35.500 35.600 (remote afterloader	r) 35.600 (teletherapy)	·
35.600 (gamma stereotactic radiosurgery)	35.1000 ()	
use on the license.  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	Thomas Fearon A.D.	2006
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):		

NRC FORM 313A (RSO) (10-2006)	U.S. NUCLEAR REGULATORY COMMISSION	
RADIATION SAFETY OFFICER TRAINING AND EXPER	RIENCE AND PRECEPTOR ATTESTATION (continued)	
3. Structured Educational Program for Proposed Radia	tion Safety Officer (continued)	
<ul> <li>c. Training in radiation safety, regulatory issues, and en license (continued)</li> </ul>	nergency 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 necessal to document supervised training, provide multiple copies of this page).	License/Permit Number listing supervising individual	
Thomas Fearon H.S.	08-03309-01	
License/Permit lists supervising individual as:		
Radiation Safety Officer Authorized Use	er Authorized Nuclear Pharmacist	
Authorized Medical Physicist		
Authorized as RSO, AU, ANP, or AMP for the following	ng 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 ()	
d. Skip to and complete Part II Preceptor Attestation.		
OF		
4. Authorized User, Authorized Medical Physicist, o the licensee's license	r Authorized Nuclear Pharmacist identified on	
	1 (Children's Hospital of the King's Daughters)	
<ul> <li>b. Use the table in section 3.c. to describe training in procedures for all types of medical use on the lice</li> </ul>		
c. Skip to and complete Part II Preceptor Attestation		
PART II – PRECEPT	OR ATTESTATION	
	eptor. The preceptor does not have to be the supervising or verifies training and experience required. If more than obtain a separate preceptor statement from each.	
First Section Check one of the following:		
1. Board Certification		
	nas satisfactorily completed the requirements in	
Name of Proposed Radiation Safety Officer		
10 CFR 35.50(a)(1)(i) and (a)(1)(ii); or 35.50 (a)(2)(i)		
OR 2. Structured Educational Program for Proposed Radiation Safety Officers		
☐ I attest that	nas satisfactorily completed a structural educational	
Name of Proposed Radiation Safety Officer	nd laboratory training and one year of full time	
program consisting of both 200 hours of classroom a radiation safety experience as required by 10 CFR 3		
OF	₹	

NRC FORM 313A (RS (10-2006)	O) U.S. NUCLEAR REGULATORY COMMISSION
	FETY OFFICER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)
Preceptor Attestati	ion (continued)
First Section (cont Check one of the fo	
3. Additiona	l Authorization as Radiation Safety Officer
attest that	Name of Proposed Radiation Safety Officer is an
	norized User Authorized Nuclear Pharmacist
Auth	norized Medical Physicist
aspects	ed on the Licensees license and has experience with the radiation safety sof similar type of use of byproduct material for which the individual has on Safety Officer responsibilities
	AND
Second Section	along the all the standards.
Complete for all (c	check all that apply):
attest that	David Kushner MD has training in the radiation safety, regulatory issues, and  Name of ProposedRadiation Safety Officer
emergency pro	ocedures 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 I-131
35.300	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
<u> </u>	
35.500	
35.600	remote afterloader units
35.600	teletherapy units
35.600	gamma stereotactic radiosurgery units
35.1000	emerging technologies, including:

NRC FORM 313A (RSO) (10-2006)	U.S. NUCLEAR REGULATORY COMMISSION
RADIATION SAFETY OFFICER TRAINING AND EXPERIENCE AND PREC	CEPTOR ATTESTATION (continued)
AND	
Third Section Complete for ALL  I attest that  David C. Kushner, has achieved a level o  Name of Proposed Radiation Safety Officer  sufficient to function independently as a Radiation Safety Officer for a med	
Fourth Section Complete the following for Preceptor Attestation and signature  I am the Radiation Safety Officer for Children's Name of Fa  License/Permit Number: 08 - 03309 - 01	Medical Center
Name of Preceptor  Using S FEAVON  I have flesh	Telephone Number Date  202-884-505-3/26/2007

This is to acknowledge the Company of the Company o	ne receipt of your letter/application dated  ()  ()  ()  ()  ()  ()  ()  ()  ()  (
	-5-23063-of strative omissions. Your application was assigned to a lease note that the technical review may identify additional additional information.
Please provide to this	office within 30 days of your receipt of this card
	s been forwarded to our License Fee & Accounts Receivable you separately if there is a fee issue involved.
When calling to inquire a	bout this action, please refer to this control number. 337-5398, or 337-5260.
NRC FORM 532 (RI) (6-96)	Sincerely, Licensing Assistance Team Leader

•