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August 25, 2006

U.S. Nuclear Regulatory Commission Region I 475 Allendale Road King of Prussia, PA 19406-1415 03003115 Re: Amendment License #37-09463-01 – LATROBE HOSPITAL

To whom it may concern,

This correspondence is to request a license amendment to USNRC License number 37-09463-01 issued to Latrobe Area Hospital. We are requesting to add two new Authorized users in Section 12 and one authorized Medical Physicist.

- 1. Igor Poltinnikov, M.D. (Uses identified in 35.400, 35.600 Ir-192 for uses in a high dose rate remote afterloading unit). Dr. Poltinnikov is recently Board Certified by the American Board of Radiology in Therapeutic Radiology also see enclosed 313A documents.
- 2. Gregory Haines, D.O. (Uses identified in 35.100, 35.200). Dr. Haines has been previously named on NRC license #22-09562-01 and #22-16766-01, also Minnesota DOH Radioactive Materials License #1071-200-34.
- 3. Robert P. Specht, MS as an authorized Medical Physicist. Attached is the supporting 313A documentation.

If you have any questions or comments regarding this please do not hesitate to contact myself or Mr. Daniel A. Berkley, RSO, at 724-832-4267. Thank you very much for your attention into this matter.

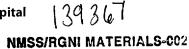
Sincere

Sam Raneri Senior Vice President of Operations

**Frick Hospital** 

/ Latrobe Hospital

Westmoreland Hospital



2006 SEP -5



at UPMC Arnold Palmer Pavilion

UPMC Arnold Palmer Pavilio 200 Village Drive Greensburg, PA 15601 Phone: 724-838-5660 Fax: 724-838-5670

August 8, 2006

To Whom It May Concern:

I am writing this letter on behalf of Robert P. Specht, M.S. who is seeking authorized medical physicist status for Ir-192 Brachytherapy remote afterloaders. Robert P. Specht is certified by the ABR as a medical physicist. He has worked 27 years as a medical physicist and has extensive brachytherapy experience. He has completed a year of high dose rate (HDR) brachytherapy training under my supervision and the supervision of other certified medical physicists at the UPMC Cancer Centers. His experience includes:

brachytherapy source (Ir-192) leak tests,

brachytherapy source (Ir-192 and I-125) decay measurements and calculations,

remote afterloader output (Ir-192) measurements, position measurements, retraction by battery backup, transfer tube and applicator checks, timer accuracy and linearity, indicator lights, viewing and intercom systems, electrical and mechanical stops, treatment room doors, emergency response equipment,

radiation safety training (Ir-192 remote afterloader, linear accelerator, and I-125 seeds) and radiation surveys,

remote afterloader source (Ir-192) exchange and training.

This training and experience covers that required by the NRC in accordance with 10CFR section 35.51 including sections 35.67, 35.632, 35.633, 35.642, 35.643, and 35.652.

Robert P. Specht has assisted in the planning and delivery of HDR "Vaginal Cylinder" plans, multiple needle prostate plans, endobronchial plans, urethra and esophageal plans. The planning was done on Nucletron's Plato planning system using version 14.2. He also has extensive experience with external beam planning and linear accelerator QA.

Sincerely,

Eden O R

Edward D. Brandner, Ph.D. Medical Physicist UPMC Arnold Palmer Pavilion 200 Village Drive Greensburg, PA 15601

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	U.S. NUCLEAR REGULATOR		OVER BY OND. NO. 2450 442
	RAINING AND EXPERIENCE		ROVED BY OMB: NO. 3150-012 RES: 10/31/2008
	PART I TRAINING AND EXPER		
Note: Descriptions of training and e criteria in the applicable regul	xperience must contain sufficient deta ation (10 CFR Part 35)	ail to match the train	ing and experience
<ol> <li>Name of Individual, Proposed Authoriz (e.g., 10 CFR 35.50)</li> </ol>		Applicable Training F	equirements
Robert	Specht		
2. For Physicians, Podiatrists, Dentists, F		censed	
	3. CERTIFICATION		
a. Provide a copy of the board certific continue if applying under other su	cation. (Stop here if applying under 1 Ibparts.)	0 CFR Part 35, Sub	part J or 35.590(a);
<ul> <li>b. Provide documentation in appropri 35.51(c); 35.290(c)(1)(ii)(G) for AL 35.590(c); or 35.690(c).</li> </ul>	ate items 4 through 10 of training or o J seeking 35.200 authorization; 35.39	clinical case work re 0(b)(1)(ii)(G); 35.39	quired by 35.50(e); δ(d)(1) and 35.396(d)(2);
c. Provide completed Part II Precepte	or Attestation, Items 11a through 11d		
Stop here after completing items 3 experience requirements.	a, 3b, and 3c when using board certin	ication to meet 10 (	CFR Part 35 training and
4. INDIVIDUALS IDENTIFIED	ON A LICENSE OR PERMIT AS RA	DIATION SAFETY	OFFICERS (RSO),
AUTHORIZED U	SERS (AU), AUTHORIZED MEDICA R PHARMACISTS (ANP) SEEKING	ADDITIONAL AUT	HORIZATIONS
a. Provide a copy of the license or br		-	
b. Complete items 6c (and 10 when t	raining is provided by an RSO_AMP	AND on ALL and m	
	D in 35.50(c)(2) or 35.50(e); or AU in		
11d to meet requirements for: RSC 35.590(c) or 35.690(c); or AMP un c. Complete items 5, 6a, 6b, 10, and	D in 35.50(c)(2) or 35.50(e); or AU in der 35.51(c). Preceptor items 11a through 11d to r	35.290(c)(1)(ii)(G) o	r 35.390(b)(1)(ii)(G) or nts in 35.396(a).
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11d to meet requirements for: RSC 35.590(c) or 35.690(c); or AMP un c. Complete items 5, 6a, 6b, 10, and 5. DIDACTIC OR CLASSR Description of Training Radiation Physics and	D in 35.50(c)(2) or 35.50(e); or AU in der 35.51(c). Preceptor items 11a through 11d to r OOM AND LABORATORY TRAININ	35.290(c)(1)(ii)(G) o neet AU requiremen <b>G (optional for M</b> e	r 35.390(b)(1)(ii)(G) or nts in 35.396(a). <b>dical Physicists)</b>
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<ul> <li>11d to meet requirements for: RSC 35.590(c) or 35.690(c); or AMP un</li> <li>c. Complete items 5, 6a, 6b, 10, and</li> <li>5. DIDACTIC OR CLASSR Description of Training</li> <li>Radiation Physics and Instrumentation</li> <li>Radiation Protection</li> <li>Mathematics Pertaining to the Use and Measurement of Radioactivity</li> </ul>	D in 35.50(c)(2) or 35.50(e); or AU in der 35.51(c). Preceptor items 11a through 11d to r OOM AND LABORATORY TRAININ	35.290(c)(1)(ii)(G) o neet AU requiremen <b>G (optional for M</b> e	r 35.390(b)(1)(ii)(G) or nts in 35.396(a). <b>dical Physicists)</b>
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11d to meet requirements for: RSC 35.590(c) or 35.690(c); or AMP un c. Complete items 5, 6a, 6b, 10, and 5. DIDACTIC OR CLASSR Description of Training Radiation Physics and Instrumentation Radiation Protection Mathematics Pertaining to the Use and Measurement of Radioactivity Radiation Biology Chemistry of Byproduct Material for Medical Use	D in 35.50(c)(2) or 35.50(e); or AU in der 35.51(c). Preceptor items 11a through 11d to r OOM AND LABORATORY TRAININ	35.290(c)(1)(ii)(G) o neet AU requiremen <b>G (optional for M</b> e	r 35.390(b)(1)(ii)(G) or hts in 35.396(a). <b>dical Physicists)</b>

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10-2005) MEC	DICAL USE TRAINING A	ND EXPERIE	NCE AND PRECEPTOR	ATTESTATION (continu	ed)
	6a. WORK	OR PRACTIC	AL EXPERIENCE WITH R	ADIATION	
Descr	iption of Experience		Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and/o Clock Hours of Experience
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perform fa HDRDIC telether	ed decay concert	inons Lind	Brand nen fulnisz	۱٬	> 10 hrs
Derforme	J Nill Calibrations	perode freeting 1-1	Brandne	14	>10 hrs
Conductos around re Lalso aroun	note ofthe loading u Tradiction Schue mole often loading d external been fr	un; tschoo	Ed Brandren	í	>10 hrs
	deay correct			P.Hsbuosh. P.A	~ 10
for Co-e			lone Vonev	P.Hs bush, D.A Montefastosp	Johnson
6	b. SUPERVISED CLINI	CAL CASE E	(PERIENCE (describe ex	perience elements in 6	a)
Radionuclide	Type of Use	No. of Cases Involving Personal Participation	Supervising	Location and Corresponding Materials License Number	Dates and/ Clock Hours of Experienc
I192	prostate HDR	~10	Ed Brandner	Latrobe Arecitosp 37-09463-01	>10
T	Voy incl cut HDR	-20	Ed Brandway	v	> 20
Ir-192			· · · · · · · · · · · · · · · · · · ·		
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tr-192		2-5	Ed Brandne Ed Brandne	1	,
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<u>tr</u> ~192 Hi Enox-194	endobronchial (tri ext beam photos	n - 5 >100	Ed Brondner	· · · · · · · · · · · · · · · · · · ·	> 5 7200

NRC FORM 313A (10-2005) MEDICAL USE TRA	INING AND EXPERIEN	CE AND PRECEPT	U.S. NUCLEAR REGULATORY COMMISSION OR ATTESTATION (continued)
6c. TRAI	NING FOR SECTIONS	35.50(e), 35.51(c), 3	5.590(c), or 35.690(c)
Training Element	Type of	f Training *	Location and Dates
nands - n exprision appration pracedures Clinicalus, + operation treatment planning s	ym. Inp Vendon syste	training	6/22/05 Latroke Area Hospiti
* Types of training may include s vendor training.	supervised (complete ite	m 10 for 35.50(e), 35	5.51(c), and 35.690(c)), didactic, or
7. FORMAL TRAINING	Physicians (for uses u	nder 35.400 and 35.	.600) and Medical Physicists
Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Number	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)
Mealth Physics	Grad. School of Public Health U. of Pittsburgh Pittsburgh, PA	1978	
8. RADIATIO	N SAFETY OFFICER (F	RSQ ONE-YEAR	FULL-TIME EXPERIENCE
YES Completed 1 year of	of full-time radiation safe	ty experience (in are the RSO for Licen	eas identified in item 6a) under supervison. nse No
9. MEDICAL P	HYSICIST ONE-YEA	R FULL-TIME TRAI	NING/WORK EXPERIENCE
N/A (35.961) or medical	I physics (35.51) under t	he supervision of $\underline{/}$	n 6a) in therapeutic radiological physics $4nd_{rew} \in B_4 ko_7 \cdot 4z_4$ Authorized Medical Physicists (35.51);
		and	
N/A and for topics identi under the supervision	ified in item 6a) for (spectrum) on of <u>Ed</u> <u>Brand</u>	cify use or device) <u>(</u> Jnea who	ding radiation therapy services described Latropo Area Hosp.tc/ is a medical physicist (35.961) or meets use or device) <u>after loade</u> .

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KOV. 29. 2005 10:474M

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The ba	15. SUPERVISIN Intro and experience indicated ab	ND EXPERIENCE AND PRECEPTOR G INDIVIDUAL - IDENTIFICATION AND ( iove was obtained under the supervisio is in 10 CFR 35, provide the following k	WALFICATIONS
	Name of Supervisor	B. Supervisor is:	
	Ed Brand Ne	Authorized User	& Authorized Modical Physic D Authorized Nuclear Pharms
C.	Supervisor moots requirements ( for medical uses in Part 35, Bod	of Part 35, Socilon(s) Conlis)	na sena sena sena se
D,	Additors		E. Materie's License Nurt
		PART II - PRECEPTOR ATTESTATION	
Note:	This part must be completed by experience, oblight a separate pr requirements in 35.590 or Part 3	the Individual's preceptor. If more than peopler statement from each. This part	one preceptor is necessary to do: Is not required to meet the traitie
i stieri	the Ind Vidual named in lines 1:	y in a standard and an	
<u>19</u>	ar a,	requirements in Part 35, Section(s) or	d Paragraph(a)
بىلىغۇنىمىلەر 14	as documented in section(s)	<u>6,749</u> of this form.	ander bisken an
		5.50(e), $\Box$ 35.51(c), $\Box$ 35.380(b)(1)(i)) section(a) $\underline{G7, 49}$ of the	
11e. D	has achieved a level of compol	ency sufficient to operate a nucleur phy	umacy (lox 25.950); Of
	has achieved a level of compared AMP	tor <u>Pait-192</u> & Martha Independent	
2	has achieved a level of radiatio Officer for a medical use licens	n salety knowledgo sufficient to functio eo.; Of	n independently ut a Rediation S
		$35.51$ section(s) of requirements to be a preceptor. $\Box A$	10 CFR Part 35 Li or Damp
	I meet the requirements of or equivalent Agreement State for the following byproduct mat	35-51 section(s) of	10 CFR Part 35 U or DAMP I + R R
	I meet the requirements of or equivalent Agreement State for the following byproduct mat	$35.51$ section(s) of requirements to be a preceptor. $\Box A$	10 CFR Part 35 Li or Damp

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# ANNUAL HDR TRAINING

Given 3/25 sou 7-20-06

## TOPICS

a. description of HDR unit including safety systems, applicators, and accessories

b. operating and emergency procedures for the HDR device appropriate to the duties of the employees

c. appropriate response to emergencies or unsafe conditions

d. radiological safety procedures appropriate to the duties of the employees

e. radiation protection and instrumentation, including the use of personal dosimeters, survey instruments, and area radiation monitors

f. pertinent terms and conditions of the NRC license, including procedures developed as a prerequisite for obtaining the license and commitments incorporated into the license

g. pertinent NRC regulations including right to know of being informed of radiation exposure,

h. locations of available notices, copies of regulations, copies of the license and conditions, NRC-3 map, (including how to contact NRC if radiation safety concerns do not appear to be fully addressed), 10 CFR 19, 20, and 35

i. obligation of all personnel to report unsafe conditions to the RSO

j. procedures for shipping and receiving the Ir-192 sealed source (for appropriate personnel)

G

k. dry runs for all concerned with HDR treatments of patients, (to include routine patient set-up and treatment, and emergency procedures)

Y

I. areas where pertinent radioactive materials are stored and used

m. potential hazard associated with radioactive material

n. questions and answers

Meghaten 20

COMPETENCY DEEMED SATISFACTORY (by authorized user and HDR physicist, Y/N)

ATIENT SET-UP AND EMERGENCY PROCEDURES

2006 DATE

Nucletron		Field Training Report
Nucletron Corporation, Service Department, 88 Customer Latrebe Hespital Address Latrebe M.	71 Robert Felton Drive, Columbia,	. MD 21046 PH: 410-872-4400 Fax: 410-312-4196 Charge Type
Phone No: PO No:	Course Instructor DAVID GLESSNER Training Given	Call Number     Rtn. Visit Required       Date in     7-29-00       Time in     12:00004       Out     1:00004
Afterloader emergency training procedures. かえ Emarge	<u>~~~ T&lt;9: 하십</u> Attendance Registration	
Name Title SANJEEV BAHQI Igor Pultinnikuv	Bepartment R. O.	il Signature
Andrew Bukov, t2 Sharba Percipsky	<u> </u>	- Bh
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Dancy Metchallen	Ro Silh	Anneyper WalenMan
	Bemaiks	
All of The Alson Completed	ore-literse	
ravel Charged 9.00 Hrs Aldine Regular Charged Hrs Renta Overtime Charged Hrs Hotel		\$0.00 Travel Expenses (Mexis, Tolis, etc) \$0.00 \$0.00 \$0.00
D/T (Sunitays 3 Holidays)     Hrs     No of I       We cently that the training noted in this document has been carried out in     Oourse Instructor		\$0.00 Close by Nucleitan's subjarized representative and with proper supervision by Obstainer

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#### Maria Werner-Wasik, MD

Associate Professor Residency Program Director Department of Radiation Oncology Bodine Center for Cancer Treatment

Thomas Jefferson University Hospitals

Thomas Jefferson University Hospital

Methodist Hospital Division

Jefferson Hospital for Neuroscience

Ford Road Campus

Methodist Hospital Nursing Center

www.JeffersonHospital.org

Re: Igor Poltinnikov, M.D.

To Whom It May Concern:

Dear Sir / Madam:

July 10, 2006

I am writing on behalf of Igor Poltinnikov, MD who is seeking the medical privileges as an authorized user in remote afterloader units including high dose rate (HDR) procedures at your facility. Dr. Poltinnikov satisfactory completed 4 years of supervised clinical experience in radiation oncology during his residency training at Thomas Jefferson University (TJU) Radiation Oncology Program, Philadelphia, PA (7/1/02 - 6/30/06). He completed more than 200 hours classroom / laboratory training in radiation biology and physics, radiation instrumentation and protection and mathematical applications for use and measurements of radioactivity. He performed more than 50 HDR procedures and has more than 500 hours work experience under an authorized user's supervision who meets requirement in sec. 35.690 or equivalent Agreement State requirement, as part of a formal training program approved by the Residency Review Committee for Radiation Oncology of Graduate Medical Education Council. He is also trained in implementing emergency and safety procedures for abnormal operation of remote afterloader units as part of TJU Radiation Oncology regular in-service review / training. I highly recommend Dr. Poltinnikov as an authorized user of remote afterloader units including HDR equipment at your hospital / facility. If you have any further questions, please do not hesitate to contact me directly at 215-955-6705.

Sincerely,

Maria Werner-Wasik, MD Associate Professor Residency Training Director Thomas Jefferson University Radiation Oncology

# AUG-21-2006 11:51

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JEFFERSON RADIATION ONCOL

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NRC FORM STSA	U.S. NUCLEAR REGULATOR	Y COMMISSION	
	TRAINING AND EXPERIENCE CEPTOR ATTESTATION		APPROVED BY OMB: NO. 3159-0 EXPIRES: 10/31/2008
	PART I - TRAINING AND EXPER experience must contain sufficient dela		training and experience
criteria in the applicable reg	· · · · · · · · · · · · · · · · · · ·		
	rization (e.g., Radiation Safety Officer), and Pultinnikuv	Applicable Traini	ng Requirements
2. For Physiclans, Podiatriets, Dentists, PA	Pharmaciets State or Territory Where Lie	:ensed	
	3. CERTIFICATION	and and a second se	
<ol> <li>Provide a copy of the board certil continue if spplying under other s</li> </ol>	lication. (Stop here if applying under 11	) CFR Part 35, 1	Subpert J or 35.590(a);
<ul> <li>Provide documentation in approp 35.51(c); 35.290(c)(1)(ii)(G) for A 35.590(c); or 35.690(c).</li> </ul>	riale ltems 4 through 10 of training or c U seeking 35,200 authorization; 35,390	linical case wor) )(b)(1)(il)(G); 35,	c required by 35.50(e); 395(d)(1) and 35.396(d)(2);
c. Provide completed Part II Precep	for Allestation, Items 11a through 11d.		
Stop here after completing items experience requirements.	3a, 3b, and 3c when using board certifi	cation to meet 1	0 CFR Part 35 training and
Complete items 6c (and 10 when	roadscope permit listing the current aut training is provided by an RSO, AMP, #	NP. or AU) and	preceptor items 11b through
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11d to meet requirements for: RSI 35.590(c) or 35.690(c): or AMP ur Complete items 5, 63, 65, 10, and	training is provided by an RSO, AMP, # O in 35.50(c)(2) or 35.50(e); or AU in 39 Ider 35.51(c). Preceptor items 11a through 11d to m COM AND LABORATORY TRAINING Location	NP, or AU) and 5.290(c)(1)(ii)(G) set AU requirem	preceptor items 11b through ) or 35.390(b)(1)(ii)(G) or lents in 35.398(e). Medical Physicists)
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MEDICAL USE	TRAINING	ND EXPERIE	NCE AND PRECEPTO	U.S. NUCLEAR REGULATORY COMWSS DR ATTESTATION (continued)
6c.	TRAINING F	OR SECTIONS	3 35.50(e), 35.51(c), 35	.590(c), or 35.690(c)
Training Eleme	nt	Туро	of Training *	Location and Dates
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		d (complete ite	m 10 for 25 50(a) 25 5	1(c), and 35.690(c)), didactic, or
vendor training.	<u></u>			<u></u>
7. FORMAL TRAINING Degree, Area of Study or Residency Program	Name of Loc: Corr M	ng (tor Uses u Frogram and ation with asponding aterials 89 Number	T	0) and Medical Physicists Name of Organization that Approved the Program (e.g., Accreditation Council for Graduata Medical Education) and the Applicable Regulation (a.g., 10 CFR 35.490)
Lattation Unculumy lestency Treshing	The may Univ. Philad	refferson with upkin, PA	7/1/12-6130106	ACGME
YES Completed 1 ye	ar of full-lime	radiation safety	y experience (in areas i the RSO for License i	، المراجع ا
VES Completed 1 ye	ar of full-time ical physics (i	training (for are 35.51) under th	eas idenlified in item 6a le supervision of	SIWORK EXPERIENCE ) in the appulle radiological physics rizad Medical Physicists (35.51);
		ĩ	and	
			fy use or device)	radiation therapy services described
under the super	vision of			medical physicist (35.961) or meets

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NRC FORM STA U.S. NUCLEAR REGULATORY COMMISSIO MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)
10. SUPERVISING INDIVIDUAL IDENTIFICATION AND QUALIFICATIONS
The training and experience indicated above was obtained under the supervision of (if more than one supervising individual is needed to meet requirements in 10 CFR Part 35, provide the following information for each) :
A. Name of Supervisor B. Supervisor is:
A. Name of Supervisor       B. Supervisor is:         M.Urin. Werner-Wasi & M       Mathorized User         In Radiation Safety Officer       Authorized Nuclear Pharmacist
C, Supervisor meets requirements of Part 35. Section(s) 490 690
for medical uses in Part 35. Section(s) $441  \cancel{491}$
for medical uses in Part 35, Section(s) 493, 690 Bound Racer Lankr, Ratishion Discology E. Materials License Number
Philalelphiz, PA 19101
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PART II PRECEPTOR ATTESTATION Note: This part must be completed by the individual's preceptor. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. This part is not required to meet training requirements in 35.590 or Part 36, Subpart J (except 35.980).
I attest the individual named in Item 1:
has satisfactorily completed the requirements in Part 35. Section(s) and Paragraph(s) $\frac{490}{690}$ .
as documented in section(s) $5/6$ , $+$ of this form.
11b. Selectione (Larger SA)
11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p r \mathcal{P} r$ )         11b. Select one       ( $\rightarrow f p r$
11c.
has achieved a level of competency sufficient to independently operate a nuclear pharmacy (for 35.960); OF
has achieved a level of competency sufficient to function independently as an authorized UKr phySiGKn for rean in Construction uses (or units): OF the formation of factors and forme. The body and formed the formed of the for
has achieved a level of radiation safety knowledge sufficient to function independently as a Radiation Safety
Officer for a modical use licensee ; Of N/A
11d. I am an Authorized Nuclear Phermacist; OF I am a Radiation Safety Officer; OF
I am an Authorized Nuclear Phermacist; OF I am a Radiation Safety Officer; OF 35.23; 35.39; 35.59; 35.69 I meet the requirements of Authized with hypitium 35.600 section(s) of 10 CFR Part 35
or equivalent Agreement State requirements to be a preceptor AU or AMP
for the following byproduct material uses (or units): In-192 HDR and LDR (and CO <sup>60</sup> )
A. Address Bodine Canter Center / Rediciption Uncleany B. Materials License Number 111 S. 19th Street Philudelphia, 19101
Maria WERACE-Walik, MD M. New- wysk 8-1706
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### ANNUAL HDR TRAINING

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### TOPICS

a. description of HDR unit including safety systems, applicators, and accessories

b. operating and emergency procedures for the HDR device appropriate to the duties of the employees

c. appropriate response to emergencies or unsafe conditions

d. radiological safety procedures appropriate to the duties of the employees

e. radiation protection and instrumentation, including the use of personal dosimeters, survey instruments, and area radiation monitors

f. pertinent terms and conditions of the NRC license, including procedures developed as a prerequisite for obtaining the license and commitments incorporated into the license

g. pertinent NRC regulations including right to know of being informed of radiation exposure,

h. locations of available notices, copies of regulations, copies of the license and conditions, NRC-3 map, (including how to contact NRC if radiation safety concerns do not appear to be fully addressed), 10 CFR 19, 20, and 35

i. obligation of all personnel to report unsafe conditions to the RSO

j. procedures for shipping and receiving the Ir-192 sealed source (for appropriate personnel)

k. dry runs for all concerned with HDR treatments of patients, (to include routine patient set-up and treatment, and emergency procedures)

I. areas where pertinent radioactive materials are stored and used

m. potential hazard associated with radioactive material

n. questions and answers

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COMPETENCY DEEMED SATISFACTORY (by authorized user and HDR physicist, Y/N)

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-UP AND EMERGENCY PROCEDURES

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Field Training Report

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NRC FORM 374		PAGE 1 OF 3
	U.S. NUCLEAR REGULATORY COMMISSION	Amendment No. 39
	MATERIALS LICENSE	
Pursuant to the Atomic Energy Act of 1954, as of Federal Regulations, Chapter I, Parts 30, 3 heretofore made by the licensee, a license is hisource, and special nuclear material designate deliver or transfer such material to persons auth shall be deemed to contain the conditions spe applicable rules, regulations, and orders of the below.	31, 32, 33, 34, 35, 36, 39, 40, and 70, and iereby issued authorizing the licensee to rec ed below; to use such material for the purp horized to receive it in accordance with the re ecified in Section 183 of the Atomic Energy	in reliance on statements and represe ceive, acquire, possess, and transfer by ose(s) and at the place(s) designated b soulations of the applicable Part(s). This Act of 1954, as amended, and is subj-
[10] C. C. Martin, and S. Martin, and S. Martin, "A strain of the str		
Licensee	In accordance	with letter dated
	September 6,	2005,
1. Rice Memorial Hospital	3. License numb	er 22-09562-01 is amended
	in its entirety a	is follows:
2. 301 Becker Avenue, S.W.	4. Expiration date	e July 31, 2015
Willmar, MN 56201-3395	4. Expiration cate 4. Exp	30-02239
<ul> <li>B. Any byproduct material permitted by 10 CFR 35.200 (excluding xenon-133)</li> <li>C. Any byproduct material permitted by 10 CFR 35.300</li> <li>D. Any byproduct material permitted by 10 CFR 35.400 v</li> </ul>	Amy Sealed spaces (3)/7 lodel Nos. 6500 6502 and 6503)	B. As needed C. 100 millicuries Q. 1 curie total
9. Authorized Use:	****	
A. Any uptake, dilution and excr	retion study permitted by 10 CFR 3	5.100.
B. Any imaging and localization	study permitted by 10 CFR 35.200	y .
C. Any diagnostic study or thera	apy procedure permitted by 10 CFR	35.300.
<ul> <li>D. Any manual brachytherapy pr calibration.</li> </ul>	rocedure permitted by 10 CFR 35.4	100 and cesium-137 for instrum

NRC FORM 374A U.S. NUCLEAR REGUL	ATORY COMMISSION		PAGE	2 of	3	PAGE
		License Number 22-09562-01				n a nga aga Sanan ang arawa s
MATERIALS LICENSE SUPPLEMENTARY SHEET		Docket or Reference N 030-02239	umber			
		Amendment No.	39			
					. <b>*</b> . *	
<ul> <li>Statistics of the statistic statistics of the statistics of the statistics of the statistic statistics of the statistics of the statistics of the statistic statistics of the statistics</li></ul>	<b>CONDITIONS</b>					6 min.c. 1 + 1 1 = 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
<ol> <li>Licensed material may be used or stored Willmar, Minnesota and may be used at where the U.S. Nuclear Regulatory Com material, including areas of exclusive Ferror</li> </ol>	temporary job site mission maintains	s of the licensee a jurisdiction for re-	anywhere gulating ti	in the U	Inited	State
If the jurisdiction status of a Federal facil contact the Federal agency controlling th is an area of exclusive Federal jurisdictio Agreement States not under exclusive Fe regulatory agency.	ne job site in quest	ion to determine v or use of radioact	whether the ive mater	ne propo ials at jo	ised j b site	ob site is in
11. Radiation Safety Officer for his license is	s Paul Elliott, M.S.	4				
12. Licensed material is only authorized for	se by, or under th	e supervision of:	<b>`</b>			
A. Individuals permitted to work as any	aythorizad user in	accordance with ;	ю GCFR 3	5.13 or 3	35.14	•
B. The following individuals are auton Authorized Users Paul Elliott, M.S.	Material and Use		S	d:		
Barry O. Sewall, M.D.		ind 35.200.				
Barry O. Sewall, M.D. Jwong H. Ling, M.D.	10 CFR 35.400.	6				
Philip J. Fearahn, M.D.	10 FR 8. TOK	35.200 and 35.30	0.			
Nancy Ann Hallo, M.D.	10 CFR 35.100 a	and 35.200 (exclud	ding xeno	n-133).		
Gregory A. Haines, D.O.	10 CFR 35.100 a	and 35.200.				
Albert H. Ruhe, M.D.	10 CFR 35.100,	35.200 and 35.30	0.			
<ol> <li>The licensee is authorized to transport license is authorized to transport license is a second transportation of the second transport to the second to the</li></ol>	censed material or of Radioactive Ma	ily in accordance v terial."	with the p	rovision	s of 1	10 CF
<ol> <li>In addition to the possession limits in Iter material to quantities below the minimum decommissioning financial assurance.</li> </ol>	n 8, the licensee s i limit specified in	hall further restric 10 CFR 30.35(d) f	t the poss or establi	session shing	of lice	ensed

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NRC FORM 374A	U.S. NUCLEAR REGULAT	ORY COMMISSION		PAGE 3 of	3 PAC
	TERIALS LICENSE		License Number 22-09562-01 Docket or Reference Nu 030-02239	mber	
Sur			Amendment No. 3	39 	
accordance with th any enclosures. T in accordance with to make changes t Regulatory Comm procedures in the I	ally provided otherwise in the statements, represent his license condition app the regulations. Addition the radiation protection ssion's regulations shall icensee's application and ted June 16, 2005.	ations, and pro- plies only to those an ally, this licen- n program as pr govern unless d corresponden	cedures contained the procedures that se condition does r ovided for in 10 Cl the statements, rej ce are more restrict	in the documents are required to b not limit the licens R 35.26. The Nu presentations, and clive than the regu	s, includin e submitt ee's abili iclear d
	FO	R THE U.S. NU	CLEAR REGULAT	ORY COMMISS	ION
OCT 1 1 200 Date	By	James R. Mulla Materials Licen		uul	anu administrative with the

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auth and is su	iorizin at the ibject 1, nov	g the licensee place(s) design to all applicabl	statute 144,12 and in refi to receive, acquire, poss inated below; to deliver of e rules and orders of the s effect, and to any cond	ess, an or trans Minne	d Irai ler su sota (	nsfer radioactive ch material to p Department of H	materials designated ersons authorized to re eath including the Min	below; to us ceive it in e nesota Rad 9 with th	se such material for incoordance with the lioactive Materials R ne documents	he purpose(s) rules. This licens ules, Chapter listed in
							Item 15, the M Radioactive M read as follow	<b>Aaterial</b>		
1.	Ri	ce Memor	ial Hospital				3. License Num	ber:	1071-200	•34
2.			Avenue SW nesota 56201				4. Expiration Da Primary:		July 31, 2 ram Code Seconda	
<b>5.</b>	Nuc or A	product, Sou clear and/or Accelerator I dioactive Ma	Natural Occurring Produced	6.	Ch	emical and/o	r Physical Form	M	aximum Amount ay Possess At A nder This Licens	ny One Time
	A.	Any radio authorize 4731.443			Α.	Any		A.	As needed	
	B.	authorize	84 (excluding		Β.	Any		Β.	As needed	
	C.	Any radic authorize 4731.444			C.	Any		C.	100 millicur	ies
	D.	Any radic authorize 4731.445			D.	Sealed so Model No 6502, and		D.	1 curie total	
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	A.	Any uptal	ke, dilution and e	excre	tion	study auth	norized by 4731	.4432.		
	B.	Any imag	ing and localizat	ion s	tud	y authorize	ed by 4731.443	4.		
	C.	Any diagr	nostic study or th	erap	у рі	rocedure a	uthorized by 47	31.444	Э.	
	D.		ual brachytherap it calibration.	y pro	cec	lure as aut	horized by 473	1.4450	and Cesium-1	137 for

MI N	LKESOTA	INNESOTA DEPARTMENT OF HEALTH	PAGE 2 OF 3 PAGES
N		IOACTIVE MATERIALS LICENSE	en e
DEPAR		SUPPLEMENTARY SHEET	LICENSE NO. 1071-200-34
	an an Angelet (an ann an Angelet) agus an an Angelet (an Angelet) agus an Angelet (an Angelet)	CONDITIONS	
9. A	<ol> <li>Licensed material may be Avenue SW, Willmar, Mini</li> </ol>	used or stored at the licensee's faciliti nesota.	es located at 301 Becker
E		o be used at temporary job sites of the the Minnesota Department of Health n sed material.	
10. T	he Radiation Safety Officer for	or this license is Paul Elliott, M.S.	
11. L	icensed material is only autho	rized for use by, or under the supervis	ion of:
A	. Individuals permitted to wo	ork as an authorized user in accordanc	e with 4731.4403.
В	3. The following individuals a	re authorized users for the materials a	nd uses indicated:
A	uthorized Users	Material and Use	
P	aul Elliott, M.S.	Cesium-137 for instrument calib	ration.
P	hillip J. Fearahn, M.D.	Material authorized by 4731.443 4731.443	2, 4731.4434, and
G	iregory A. Haines, D.O.	Material authorized by 4731.443	2 and 4731.4434.
N	ancy Ann Hallo, M.D.	Material authorized by 4731.443 (excluding Xenon-133).	2 and 4731.4434
٦V	wong H. Ling, M.D.	Material authorized by 4731.445	0.
AI	lbert H. Ruhe, M.D.	Material authorized by 4731.443 4731.443	2, 4731.4434, and
Ba	arry O. Sewall, M.D.	Material authorized by 4731.443	2 and 4731.4434.
ex re	perience in 10 CFR 35 sul	e material in medical applications m bparts D, E, F, G and H, and the ules, part 4731.4415. In addition, 0 CFR 35.2) apply:	recentness of experience
A.	10 CFR 35.50 for Radiation	Safety Officer (RSO)	
В.	10 CFR 35.51 for Authorize	d Medical Physicists	

MINNESOTA DEPARTMENT OF HEALTH PAGE 3 OF 3 PAGES **RADIOACTIVE MATERIALS LICENSE** SUPPLEMENTARY SHEET LICENSE NO. 1071-200-34 13. In addition to the possession limits in Item 7, the licensee shall further restrict the possession of licensed material to quantities below the minimum limit specified in Chapter 4731,3080 for establishing decommissioning financial assurance. 14. The licensee is authorized to transport licensed material only in accordance with the provisions of 10 CFR Part 71 "Packaging and Transportation of Radioactive Material." Nothing in this license condition applies to the extent that the person is subject to regulations of the NRC. 15. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below except for minor changes in the medical use radiation safety procedures as provided by 4731,4405 Subpart 2. The Minnesota Department of Health rules shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules. A. NRC application dated June 16, 2005. B. Minnesota Department of Health license application dated February 23, 2006. For the Minnesota Department of Health Date: 3/27/06 Radioactive Materials Group Approval Date: MAR S 1 2006 ioactive Control Unit Supervisor Concurrence By: <u>HSuummed</u> Section Manager MAD 9 1 PAPE Date:

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MINNESOTA	MINNESOTA DEPARTMENT OF HEALTH	PAGE 1 OF 3 P
DEPARTMENT OF HEALTH	DIOACTIVE MATERIALS LICI	ENSE
Pursuant to Minnesota Statute 144.12 and in refu	ance on statements and representations herelofore made ess, and transfer radioactive materials designated below;	by the licensee, a license is hereby is to use such material for the purposed
at the place(s) designated below: to deliver or tra	nsfer such material to persons authorized to receive it in a innesota Department of Health including the Minnesota P	accordance with the rules. This licens
		with the application d 6, the Minnesota Departr
		active Materials Licens
1. Rice Memorial Hospital	a de transformation de constante and in the historical de transformation de la constante de la constante de la c	
2. 301 Becker Avenue SW	3. License Number:	1071-100-34
Wilmar, Minnesota 56201	4. Expiration Date:	March 3, 2011 Program Code
	Primary: 2220	Secondary:
5. Byproduct, Source Special Nuclear and/or Natural Occurring or	6. Chemical and/or Physical Form	7. Maximum Amount that Licensee May Possess
Accelerator Produced Radioactive Material		Any One Time Under Th License
A. Thallium-201	A. Liquid	A. 30 millicuries
B. Palladium-103	B. Sealed sources	B. Not to exceed 7 millicuries
8. AUTHORIZED USE		
A. Any imaging and localizal	tion studies authorized by Chapter 473	31.4434.
B. Any manual brachytherap	y procedure as authorized by Chapter	4731.4450.
	,	
n na	CONDITIONS	nen and an
9. A. Licensed material may be Avenue SW, Wilmar, Minne	used or stored at the licensee's facilitie esota.	s located at 301 Becker
	b be used at temporary job sites of the he Minnesota Department of Health m ed material.	
10. The Radiation Safety Officer		
The the full and the during which i	The substance of a later matrix to the second se	

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MINNESOTA		DEPARTMENT OF HE		PAGE 2	2 OF 3 PA
MDH	RADIOACTIV	'E MATERIALS L	ICENSE		Al de
DEPARTMENT OF HEALTR	SUPP	LEMENTARY SHEET	initiane. Anglaichte	LICENSE NO. 1	071-100
11. Licensed material	is only authorized f	or use by, or under 1	he supervis	ion of:	
A. Individuals peri and 4731.4403		authorized user in a	accordance	with 4731.4403	subp. 3
B. The following in	ndividuals are autho	rized users for the n	naterials and	d uses indicated	
Authorized Users	Ma	terial and Use	<ul> <li>Construction</li> <li>Construction</li> <li>Construction</li> <li>Construction</li> <li>Construction</li> </ul>		n de la composition Version e la Composition composition
Phillip J. Fearahn,	M.D. The	allium-201 as author	ized in Chaj	oter 4731.4434.	
Gregory A. Haines	s, D.O. Tha	Illium-201 as author	ized in Char	oter 4731.4434.	
Nancy Ann Hallo,	M.D. Tha	Illium-201 as author	ized in Char	oter 4731.4434.	به دینیه ایم سؤرد آوید بسافید
Jwong H. Ling, M.	D. Pal	ladium-103 as autho	prized in Cha	apter 4731.4450	
Albert H. Ruhe, M.	D. Tha	Illium-201 as author	ized in Chap	oter 4731.4434.	
Barry O. Sewall, N	I.D. Tha	Illium-201 as author	ized in Char	oter 4731.4434.	
requirements in M	CFR 35 subparts innesota Rules, pa	rial in medical app D, E, F, G and H rt 4731.4415. In a ence of the Radiatio	I, and the addition, the	recentness of requirements	experien
		ne minimum limit sp			
	"Packaging and Tra	t licensed material o insportation of Radio that the person is su	pactive Mate	erial." Nothing in	this
documents, includi radiation safety pro Health rules shall g	the statements, rep ng any enclosures, ocedures as provide overn unless the st	ise in this license, the presentations, and p listed below except d by 4731.4405 Sub atements, represent ence are more restric	rocedures c for minor ch part 2. The lations and p	ontained in the anges in the me Minnesota Dep procedures in th	edical us partment
A. Abbreviated Ap	oplication for a Minn	esota NARM licens	e dated Feb	ruary 23, 2006.	

and the state of the second PAGE 3 OF 3 PAGES MINNESOTA DEPARTMENT OF HEALTH MINNESOTA **RADIOACTIVE MATERIALS LICENSE** SUPPLEMENTARY SHEET LICENSE NO. 1071-100-34 For the Minnesota Department of Health Date: 3/2/06 By: < Radioactive Materials Group Approval Radioactive Control Unit Supervisor Date: 03 03 By: Concurrence By: Juda Bruenner Section Manager Date: 3/6/06

NRC FORM 374	JLATORY COMMISSION PAGE <u>1</u> OF <u>3</u> PAGES Amendment No. 22
MATERIAL	S LICENSE
of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, heretofore made by the licensee, a license is hereby issued autho source, and special nuclear material designated below; to use su deliver or transfer such material to persons authorized to receive it shall be deemed to contain the conditions specified in Section 1	rgy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code 36, 39, 40, and 70, and in reliance on statements and representations rizing the licensee to receive, acquire, possess, and transfer byproduct, ich material for the purpose(s) and at the place(s) designated below; to in accordance with the regulations of the applicable Part(s). This license 83 of the Alomic Energy Act of 1954, as amended, and is subject to all y Commission now or hereafter in effect and to any conditions specified
Licensee	In accordance with the letter dated
<ol> <li>Douglas County Hospital Radiology</li> <li>111 - 17th Avenue East</li> </ol>	January 7, 2004, 3. License number 22-16766-01 is amended in its entirety to read as follows: 4. Expiration date February 28, 2011
Alexandria, MN 56308	R É Dockel No. 030-11610
EAR	Référence No.
<ul> <li>Byproduct, source, and/or special nuclear material</li> <li>A. Any byproduct materials</li> <li>A. Any byproduct materials</li> <li>B. Any byproduct material</li> <li>B. Any byproduct material</li> <li>B. Any byproduct material</li> <li>B. Any byproduct material</li> <li>C. Any byproduct material</li> <li>permitted by 10 CFR 35.200</li> <li>C. Any byproduct material</li> <li>permitted by 10 CFR 35.300</li> <li>D. Any byproduct material</li> <li>permitted by 10 CFR 35.400</li> <li>D. Any seal permitted by 10 CFR 35.400</li> </ul>	bossess at any one time under this ligense A→ As needed B. Øs needed C. ₹Curie D, As needed
9. Authorized Use:	* × *
A. Medical use described in 10 CFR 35.100.	
B. Medical use described in 10 CFR 35.200.	
C. Medical use described in 10 CFR 35.300.	
D. Medical use described in 10 CFR 35.400.	
CON	NDITIONS
10. Location of use: 111 - 17th Avenue East, Alexa	ndria, Minnesota

NRC FORM 374A	U.S. NUCLEAR REGULATOR	
		License Number 22-16766-01
	MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 030-11610
		Amendment No. 22
11. Radiatior	n Safety Officer: Richard D. Eiser, N	n de la constant de l L D -
12. Licensed	material is only authorized for use b	y, or under the supervision of:
	viduals permitted to work as an author ordance with 10 CFR 35.13 and 35.1	prized user, and/or authorized medical physicist in 4.
B. The	following individuals are authorized	
	Authorized Users	REG Material and Use
(1)	Richard D. Eiser, M.D.	10 CFR 35.100, 35.200
(2).	J. A. Maier, M.D.	10 CFR 35.300.
(3).	G. E. Meyers M.D.	10 GFR 35 300 and 35.400.0
(4).	P. H. Vanderstoep, M.D.	10 CFR 35 100, 35.200, and 25.300.
(5).	R. E. Fedor, M.D.	10 CFR 35 100, 35 200, and 35.300.
(6).	J. M. Lacika, MD.	10 GFR 35 100, 35 200, and 35.300.
(7).	Xin Wang, M.D.	10 CFR 35.300 and 10 CFR 35.400
(8).	Gregory A. Haines, Dion	10 CFR 35.100 and \$5.200.
(9).	Eitan Medini, M.D.	10 CFR 35.300 and 35.400.
(10)	Scott A. Swenson, M.D.	10 CFR 35,100 and 35,200 (excluding xenon-133).
	see is authorized to transport license Packaging and Transportation of Ra	ed material only in accordance with the provisions of 10 C adioactive Material."
material t		the licensee shall further restrict the possession of license t specified in 10 CFR 30.35(d) for establishing

NRC FORM 374	U.S. NUCLEAR REGULATORY COMMISSION	PAGE 3 of 3
·····		License Number 22-16766-01
	MATERIALS LICENSE	Docket or Reference Number
	SUPPLEMENTARY SHEET	030-11610
		Amendment No. 22
accordar any enclo be subm licensee'	s specifically provided otherwise in this license, the ce with the statements, representations, and proposures, listed below. This license condition applied the in accordance with the regulations. Additions ability to make changes to the radiation protection ability to make changes to the radiation protection and correspondences in the licensee's application and correspons.	cedures contained in the documents, inclues only to those procedures that are requinally, this license condition does not limit the program as provided for in 10 CFR 35
A. App	ication dated January 25, 2001, ant REG	
B. Lette	er dated January 25, 2001	YLA.
	U. U.	10
		OMMISS NO NO
36 A D		J.S. NUCLEAR REGULATORY COMMIS
MAR Date		P. Reichhold s Licensing Branch

This is to acknowledge the receipt of your letter/application dated

 $\underline{812512006}$ , and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 37-09463-01 There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 139367. When calling to inquire about this action, please refer to this control number. You may call us on (610) 337-5398, or 337-5260.

NRC FORM 532 (RI) (6-96) Sincerely, Licensing Assistance Team Leader