

July 26, 2006

Br. 2

III W II - SUA SUI

Dennis R. Lawyer Health Physicist, Commercial and R&D Branch Division of Nuclear Materials Safety, Region 1 Nuclear Regulatory Commission 475 Allendate Road King of Prussia, PA 19406-1415

Dear. Mr. Lawyer,

Re: License # 29-28330-01

03030943

We would like to re-submit our application to amend our radioactive license # 29-28330-01 to include **Dr. Warren Maresca** as one of our authorized users for 10 CFR 35.100 and 200 materials. We are enclosing the following documents to support this application:

- 1. Certificates of his didactic training from the Institute for Nuclear medical education
- 2. A preceptor attestation of his practical experience with radiation signed by myself as an authorized user
- 3. A preceptor attestation and a letter of his practical experience with radiation specific to eluting generator systems appropriate for preparation of radioactive drugs for imaging and localization studies, etc. signed by an authorized nuclear pharmacist.

We hope that these documents will satisfy your requirements for approving Dr. Warren Maresca as an authorized user. If you have further question, please call our consulting physicist, Jessie Z. Trivino, M.S. at (201) 906-1803. Thank you very much for your immediate attention.

John Capitanelli, M.D.

Medical Director and RSO

Encls.

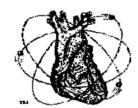
Sincerely

# NUCLEAR MEDICAL EDUCATION PROGRAM Affidavit of Academic Completion and Competency This document is to attest that

Warren L. Maresea, MD, FACC
has successfully completed the didactic program

## RADIOPHARMACEUTICALS AND CHEMISTRY

and has provided widence of attendance in this program and evidence of achieving the objections of this program through examination.
This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
  (In compliance with 10CFR35 and Agreement States)
- 5 \_ Continuing Education Units (CEU)
- 50 Technical/Perfessional Credit specified by the American Pharmaceutical Association and the American Association of Health Physicists\*

Takina mana kanara taling na Ming amidini sa Signilistra. Ingan manang manggani satisani satisani

29 June 1996
Date Class Commence

Charles 4 Rose

191621

Affidavit of Competency

#### Institute for Nuclear Medical Education

5690 Airport Blvd., Suite 101, Boulder, Calorado 88301 - 800-548-4024

Certified, Approved and Regulated by the Division of Private Occupational Schools. Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accredition, recognized by the American Council on Post-Secondary Education. Validated by the American Council on Post-Secondary Education.



### NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion and Competency This document is to attest that

#### WARREN L. MARESCA, M.D., F.A.C.C.

has successfully completed the diductic program

#### PRINCIPLES OF RADIATION PHYSICS

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination. This program provides the following levels of accomplishment:



50 Didactic Instructional Hours (DIH)

(In compliance with 10CFR35) Continuing Education Units (CEU)

50 Continuing Medical Education (CME)

50 Technical/Professional Credit specified by the American Pharmaceutical Association and the American Association of Health Physicists\*

विक्रियोक्तामा स्थापना स्थापनी का कार्याक्षित कार्याक्षित के विक्रमा के क्षेत्र के क्षेत्र के कार्याक्ष कार्याक्ष

2 March 1996

Date Class Commenced

Authorized Signature

Affidavit of Competency

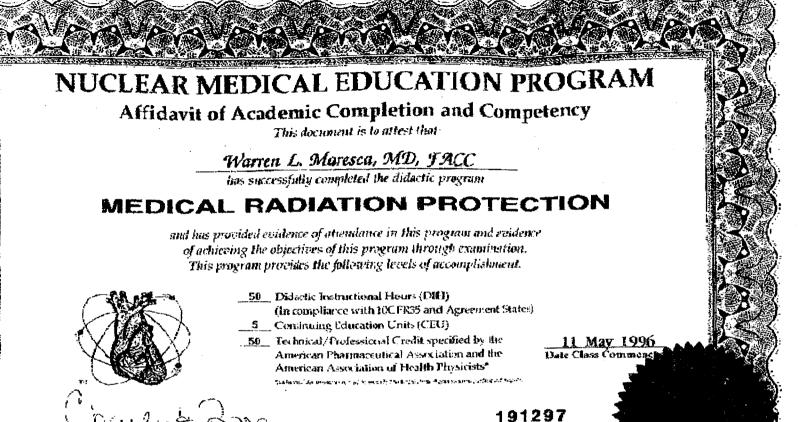
#### INSTITUTE FOR NUCLEAR MEDICAL EDUCATION

5171 Eldorado Springs Drive, Boulder, CO 80303 - 806-548-4024

Certified, Approved and Regulated by the Division of Private Occupational Schrols, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiste Registrars, Council on Post-Secondary Education.







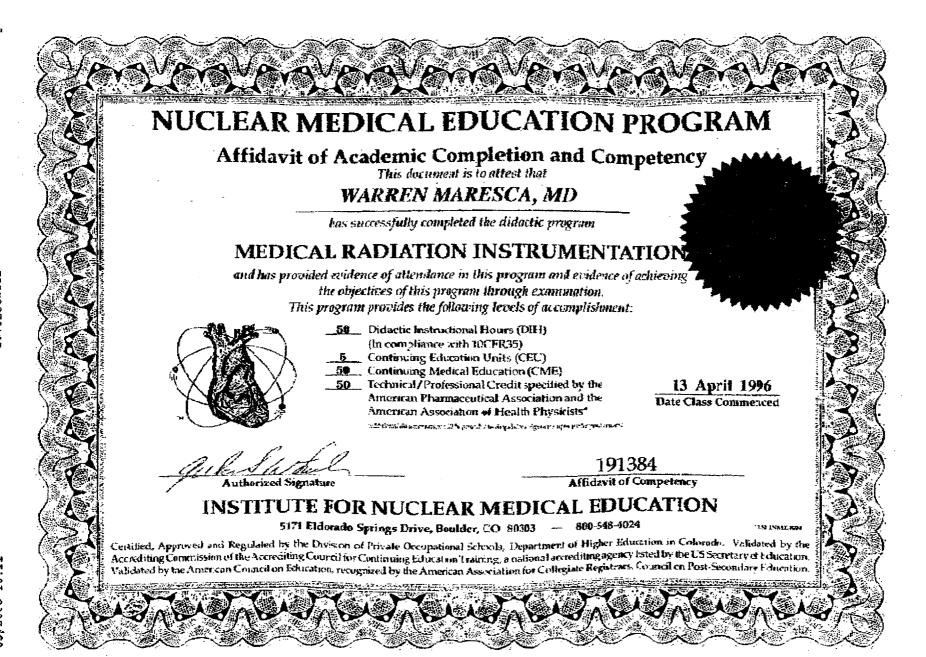
Affidavit of Competency

Institute for Nuclear Medical Education

5660 Airport Blvd., Suite 101, Boulder, Colorado 80391 -- 80B-548-4024

Authorized Signature

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the According Commission of th





#### Mallinckrodt

Mallinokrout Inc. 26 Chapin Road, Unit 1110 P.O. Box 671 Pine Brook, NJ 07068

Tele: 973 227-0179 Fax: 973 227-0678 www.mallinakradi.com

June 25, 2006

North Jersey Nuclear Diagnostic 999 McBride Ave West Paterson, NJ 07424

Subject: Authorized User Training

To Whom It May Concern:

This letter is to inform the interest party of items observed at Mallinckrodt nuclear pharmacy in Pine Brook, NJ on 06/21/2006 by Warren Maresca, M.D. Warren Maresca, M.D. has observed elution of Ultra-TechneKow DTE generator manufactured by Mallinckrodt Inc. Warren Maresca, M.D. observed following items during the radio pharmacy visit at Mallinckrodt nuclear pharmacy in Pine Brook, NJ:

- Molybdenum-99m Breakthrough test / Alumina Breakthrough test
- Preparation of radiopharmaceutical cold kit
- Dispensing of a radiopharmaceutical dose
- Packaging and monitoring of a simulated incoming and outgoing radioactive package
- Segregation of radioactive waste

Please contact Yogesh Patel at (800) 261-0811 with any questions or concerns.

Sincerely,

Yogesh Patel, PhannD

Pharmacy Manager - Pine Brook, NJ Facility

Tyco Healthcare / Mallinckrodt Inc.

NRC FORM 313A

U.S. NUCLEAR REGULATORY COMMISSION

MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION

APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2005

#### PART I - TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35).

 Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

DR WARREN L. MARESCA AUTHORISES VOSR 10CFR190 16CFR290

2. For Physicians, Podiatrists, Dentists, Pharmacists - State or Territory Wifere Licensed

#### 3. CERTIFICATION

- a. Provide a copy of the board certification. (Stop here if applying under 10 CFR Part 35, Subpart J or 35.590(a); continue if applying under other subparts.)
- b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU secking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35.590(c); or 35.690(c).
- c. Provide completed Part II Preceptor Attestation, Items 11a through 11d.
  Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.
  - 4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO), AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS
- a. Provide a copy of the license or broadscope permit listing the current authorization and (b) or (c)
- b. Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c); or AMP under 35.51(c).
- c. Complete items 5, 6a, 6b, 10, and Preceptor items 11a through 11d to meet AU requirements in 35.396(a).

# 5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Description of Training Location Clock Hours Dates of Training Radiation Physics and Training Health Health

Instrumentation	NUCLEAR MEDICAL EDUCATION	フケ	4/13/96
Radiation Protection	11	25	5/11/96
Mathematics Pertaining to the Use and Measurement of Radioactivity	и.	25	3/2/96
Radiation Biology	11	2,5	5/11/96
Chemistry of Byproduct Material for Medical Use	te .	50	6/29/96
OTHER			

NRC FORM 313A (04-2005)

PRINTED ON RECYCLED PAPER

PAGE 1

APPENDIX B U.S. NUCLEAR REGULATORY COMMISSION HRC FORM 313A MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued) (04-2005) 6a. WORK OR PRACTICAL EXPERIENCE WITH RADIATION Dates and/or Location and Name of Clock Corresponding Supervising Individual(s) Materials License Hours of Description of Experience Number Experience NURSH JERSEY GRESERING, RECEIVED & JOHN CAPETHURIUS MA NOCHER MOROWING UNPACKAGENE RADIOACTEVE MATERIALS #29-28330-C1 RADIATION SURVEYS 10 4 5 PERFORMENT GE MOCESURES 200 6 6 40000 ړو ON DOSE CALIBRATOR PROPER OPERATION OF SURVEY ħ fMETERS. CALEVERTUL MEASURING & SAFELY PREPARENT 174575 1 } . . 6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a) Dates and/or No. of Cases Location and Name of Corresponding Clock Involving Supervising Individual Radionuclide Type of Use Personal Materials License Hours of Number Experience **Participation** JOHN (APETANGES, AD) MOTOR TRACES MUNYAR Tc-99M NECEAR! 300 MOZAC 1) EAGNOSTER 600 5778855 TEML HELLS TL -201 CENTER. i i #29-77730-01

NRC FORM 31 (04-2005)				U.S. NUCLEAR REGULATORY COMMISSION
· ·	والترابية المستورين والمستورين والمستورين والمستورين والمستورين والمستورين والمستورين والمستورين والمستورين والمستورين			ATTESTATION (continued)
	· · · · · · · · · · · · · · · · · · ·	ING FOR SECTIONS 35.50(		
	Training Element	Туре	of Training *	Location and Dates
	N/A			
* Types o vendor	raining.			e), and 35.690(c)), didactic, or
	7. FORMAL TRAINING	Physicians (for uses un	der 35.400 and 35.6	00) and Medical Physicists
	ree, Area of Study or sidency Program	Name of Program and Location with Corresponding Materials License Numbers	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)
	NA			
	8. RADIATION	SAFETY OFFICER (RSO)	ONE-YEAR FULL-T	ME EXPERIENCE
□ VES	Completed 1 year of full-ti	me radiation safety experie	ence (in areas iden	tified in item 6a) under supervision.
L 19/A		بيوالاندي الأخاب والبيوري الأنبي بالرواي		ر مورون المراجع
		YSICIST ONE YEAR FULI		•
□ N/A (		•	•	
	N/A and			
	YES Completed 1 year of full-time work experience (at location providing radiation therapy services described an			
	•	•		under
				ical physicist (35.961) or meets
ſ	equirements for Authorized	d Medical Physicists (35.51)	(specify use or dev	ice)

PAGE 3

NRC FORM 319A (04-2005)	u.s. Nuclear regulatory commission
MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPT	
10. SUPERVISING INDIVIDUAL - IDENTIFICATION AS	
The training and experience indicated above was obtained under the supervindividual is needed to meet requirements in 10 CFR 35, provide the following	ng information for each):
A. Name of Supervisor B. Supervisor is:	
Join (APIMORICI MD. Authorized User	□ Authorized Medical Physicist
☑ Radiation Safety Office	ar
C. Supervisor meets requirements of Part 35, Section(s) 190 Z	90 990
C. Supervisor meets requirements of Part 35, Section(s) 70 Z for medical uses in Part 35, Section(s) 700, ZCC, 50	0
D. Address	E. Materials License Number
PART II PRECEPTOR ATTESTATI	
Note: This part must be completed by the Individual's preceptor. If more the experience, obtain a separate preceptor statement from each. This prequirements in 35.590 or Part 35, Subpart J (except 35,980).	nan one preceptor is necessary to documen part is not required to meet the training
I attest the individual named in Item 1;	
11a.	Weight Committee
has satisfactorily completed the requirements in Part 35, Section(s)	) and Paragraph(s),
as documented in section(s) <u>CA + EB</u> of this form.	
11b. Select one /√/A meets the requirements in □ 35.50(e), □ 35.51(c), □ 35.390(b)(1)	
types of use, as documented in section(s) of	
□ N/A	
11c. NA has achieved a level of competency sufficient to operate a nuclear	pharmacy (for 35.980); OF
has achieved a level of competency sufficient to function independent	ently as an authorized
for	uses (or units); <b>O</b> F
has achieved a level of radiation safety knowledge sufficient to fund	
Officer for a medical use licensee ; <b>Or</b>	
11d.	
	tion Safety Officer; <b>or</b>
meet the requirements ofsection(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):	
Address 999 MC BELDE AVE.  OLEST PATERSON, N.J. 67429	B. Materials License Number
CLEST PATERSON, NO. 67429	1 4 79-28330-01
NAME OF PRECEPTOR (print clearly)  D. SIGNATURE - PRECEPTA	OR E. DATE
JOHN (NETTIMELOT M.A.	3/8/06
JOHN CHILLIPHECOL 14.5	PAGE 4

07/10/2006 11:33

APPENDIX B

NRC	FORW	Atte

U.R. HUCLEAR REGULATORY COMMISSION

APPROVED BY ONE: NO. 3150-0120 EXPIRES: 19/31/2005

#### MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION

#### PART I -- TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulation (10 CFR Part 35).

Name of Individual, Proposed Authorization (s.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)

De. Warren L. Marssca, Authorized User, 10 CPR NO MCFR 240

For Physicians, Podiatrists, Dentists, Pharmacists - State or Tantory Where Licensed

#### 3. CERTIFICATION

- a. Provide a copy of the board certification. (Stop here if applying under 10 CFR Part 35, Subpart J or 35,590(a); continue if applying under other subparts.)
- b. Provide documentation in appropriate items 4 through 10 of training or clinical case work required by 35.50(e); 35.51(c); 35.290(c)(1)(ii)(G) for AU seeking 35.200 authorization; 35.390(b)(1)(ii)(G); 35.396(d)(1) and 35.396(d)(2); 35,590(c); or 35,690(c).
- c. Provide completed Part II Preceptor Attestation, Items 11a through 11c. Stop here after completing items 3a, 3b, and 3c when using board certification to meet 10 CFR Part 35 training and experience requirements.
  - 4. INDIVIDUALS IDENTIFIED ON A LICENSE OR PERMIT AS RADIATION SAFETY OFFICERS (RSO). AUTHORIZED USERS (AU), AUTHORIZED MEDICAL PHYSICISTS (AMP), OR AUTHORIZED NUCLEAR PHARMACISTS (ANP) SEEKING ADDITIONAL AUTHORIZATIONS
- a. Provide a copy of the license or broadscope permit listing the current authorization and (b) of (c).
- Complete items 6c (and 10 when training is provided by an RSO, AMP, ANP, or AU) and preceptor items 11b through 11d to meet requirements for: RSO in 35.50(c)(2) or 35.50(e); or AU in 35.290(c)(1)(ii)(G) or 35.390(b)(1)(ii)(G) or 35.590(c) or 35.690(c); or AMP under 35.51(c).
- Complete items 5, 6a, 6b, 10, and Preceptor items 11s through 11d to meet AU requirements in 35.396(a).

#### 5. DIDACTIC OR CLASSROOM AND LABORATORY TRAINING (optional for Medical Location Clock Hours Dates of Training Description of Training Radiation Physics and

NIA Instrumentation Rediation Protection Mathematics Pertaining to the Use and Measurement of Redioactivity Radiation Biology Chemistry of Byproduct Material for

HAC FORM 315A (D6-2005)

Medical Use OTHER

PRINTED ON RECYCLED PAPER

PAGE 1

D2. WALLEY APPENDIX B MARESCA U.S. MUCLEAR REGULATORY COMMISSION NRC FORM 313A (04-2005) MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued) SE WORK OR PRACTICAL EXPERIENCE WITH RADIATION Location and Corresponding Materials License Number Dates and/or Clock Hours of Experience Name of Supervising Individual(s) Description of Experience PINE BROK, N 6/21/0 YOGESH PATEL 24-04206-14MD 6b. SUPERVISED CLINICAL CASE EXPERIENCE (describe experience elements in 6a) No. of Cases Location and Corresponding Materials License Dates and/or Clock Name of Involving Radionuclide Supervising Individual Type of Use Hours of Personal Participation Number Experience NA

APPENDIX B

NRC FORM 213A (04-3008) SECOLOM 1/CE 7294	INNO AND EVOCDIEN	C AND PRECEPTOR	U.S. NUCLEAR REGULATORY COMMISSION
MEDICAL USE TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)  5c. TRAINING FOR SECTIONS 35.50(c), 35.590(c), or 35.690(c)			
Training Element		Type of Training *	Location and Dates
			-
NA			
	į		
* Types of training may include	synandrad (complete ite	n 10 (or 35 50(n) 35 51(	in) and 35 600(c)) didactic or
vendor training,	adhar stage (combiete ite	in to for actioning \$5.5 ft	cy, and oppositely, diametric, or
7. FORMAL TRAIL	IING Physicians (for us	es under 35.400 and 35.6	06) and Medical Physicists
Degree, Area of Study or Residency Program	Name of Program 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 35.499)
NA			·
8. RADIA	tion safety officer (r	SO) – ONE-YEAR FULL-T	TIME EXPERIENCE
	YES Completed 1 year of full-time radiation safety experience (in areas identified in item 6a) under supervision.		
□ N/A of	/A the	RSO for License No	*
9. MEDICAL PHYSICIST ONE YEAR FULL-TIME TRAINING/WORK EXPERIENCE			
YES Completed 1 year of full-time training (for areas identified in Item 6a) in therapeutic radiological physics			
N/A (35,961) or medical physics (35.51) under the supervision of			
h	p/A and		
☐ YES Completed 1 year of t	YES Completed 1 year of full-time work experience (at location providing radiation therapy services described and		
	item 6a) for (specify use		
	the supervision of who is a medical physicist (35.961) or meets		
requirements for Author	rized Medical Physicists (	35.51) (specify use or de-	vice)

APPENDIX B

NRC FORM 1134			U.S. NUCLEAR REGULATORY COMMISSION
	G AND EXPERIENCE AN	D PRECEPTOR A	TTESTATION (continued)
	NG FOR SECTIONS 35.50(e		
Training Element	Туре	of Training *	Location and Dates
			1
NIA			
		,	
<ul> <li>Types of training may include supervendor training.</li> </ul>	rvised (complete item 10 f	or 35.50(e), 35.51(c	e), and 35.690(c)), didactic, or
7. FORMAL TRAINING Physicians (for uses under 35.400 and 35.800) and Medical Physicists			
Degree, Area of Study or Residency Program	Name of Program and Location with Corresponding Materials License Numbers	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.498)
NA			
8. RADIATION	SAFETY OFFICER (RSG) ~	ONE-YEAR FULL-TI	ME EXPERIENCE
☐ YES Completed 1 year of full-til	me radiation safety experie	ence (in areas ident	ified in item 6a) under supervision.
□ N/A of V/A the RSO for License No.			·
9. MEDICAL PH	YSICIST ONE YEAR FULL	-TIME TRAINING/W	ORK EXPERIENCE
YES Completed 1 year of full-time training (for areas identified in Item 6a) in therapeutic radiological physics			therapeutic radiological physics
□ N/A (35.961) or medical physics (35.51) under the supervision of			
NA			
1			lation therapy services described and
□ N/A for topics identified in item			
the supervision of who is a medical physicist (35.961) or meets			ical physicist (35.961) or meets
requirements for Authorized	i Medical Physicists (35.51)	(specify use or dev	ice)

This is to acknowledge	the receipt of your letter/application dated
includes an administrat	, and to inform you that the initial processing which ive review has been performed.
	·
technical reviewer.	h 19-38330-01  nistrative omissions. Your application was assigned to a Please note that the technical review may identify additional additional information.
· 	
Please provide to this	is office within 30 days of your receipt of this card
	as been forwarded to our License Fee & Accounts Receivab ct you separately if there is a fee issue involved.
	120 124
	ssigned Mail Control Number 39 da4.
<del>-</del> :	about this action, please refer to this control number. 0) 337-5398, or 337-5260.
NRC FORM 532 (RI)	Sincerely,
(6-96)	Licensing Assistance Team Leader