

NMSB2

May 30, 2006

United States Nuclear Regulatory Commission  
Region 1  
Division of Materials Licensing  
475 Allendale Road  
King of Prussia, PA 19406

LL 31162  
030 37221  
02201

Dear Sir/Madam,

(29-31162-01)

I am a board certified cardiologist who is in the process of opening my new office in Swedesboro, NJ and am applying for my NRC license. My office is scheduled to open on July 10, 2006 and therefore I would greatly appreciate it if you could expedite my application. Thank you very much.

Respectfully,

*Vishal Bahal, DO, FACC*

Vishal Bahal, DO, FACC

RECEIVED  
REGION 1  
2006 JUN -1 PM 3:16

138914

NMSS/RONI MATERIALS-002

NRC FORM 313  
(10-2005)  
10 CFR 30, 32, 33,  
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: 10/31/2008

Estimated burden per response to comply with this mandatory collection request: 4.4 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

APPLICATION FOR MATERIAL LICENSE

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY  
OFFICE OF NUCLEAR MATERIALS SAFETY AND SAFEGUARDS  
U.S. NUCLEAR REGULATORY COMMISSION  
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, MISSISSIPPI, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM  
DIVISION OF NUCLEAR MATERIALS SAFETY  
U.S. NUCLEAR REGULATORY COMMISSION, REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN, SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION III  
2443 WARRENVILLE ROAD, SUITE 210  
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING, SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH  
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV  
611 RYAN PLAZA DRIVE, SUITE 400  
ARLINGTON, TX 76011-4005

LL 31162  
03037221  
0229

(29-31162-01)

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

A. NEW LICENSE

B. AMENDMENT TO LICENSE NUMBER \_\_\_\_\_

C. RENEWAL OF LICENSE NUMBER \_\_\_\_\_

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

VISHAL BAHAL, D.O.  
520 BUCKETT ROAD SUITE 300  
JEWESBORO, NJ 08062

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

SAME AS 2

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

SOMRITAN LAL

TELEPHONE NUMBER

(609) 652 3409

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL

a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY FC AMOUNT ENCLOSED \$ 2300.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER -- TYPED/PRINTED NAME AND TITLE

VISHAL BAHAL, D.O.

SIGNATURE

Vishal Bahal, D.O.

DATE

5/29/6

FOR NRC USE ONLY

TYPE OF FEE	FEE LOG	FEE CATEGORY	AMOUNT RECEIVED	CHECK NUMBER	COMMENTS
			\$		

APPROVED BY

DATE

138914

**ITEM 5: RADIOACTIVE MATERIAL**

<u>Byproduct Material</u>	<u>Chemical/Physical Form</u>	<u>Maximum Amount</u>
Any byproduct material permitted by 35.200	Any	As needed

**ITEM 6: PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED**

10 CFR 35.200	Any imaging and localization study permitted for the purpose of cardiac function analysis.
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Vishal Bahal, D.O. NRC License Application May, 2006

**ITEM 7: INDIVIDUALS RESPONSIBLE FOR RADIATION SAFETY  
PROGRAM AND THEIR TRAINING AND EXPERIENCE**

**RADIATION SAFETY OFFICER**

Vishal Bahal, D.O.

See attached

**AUTHORIZED USERS**

Vishal Bahal, D.O.

See attached

**VISHAL BAHAL, DO, FACC**

311 Belmont Court  
 Mullica Hill, NJ 08062  
 (H) 856-223-9544  
 (F) 856-223-9545  
[vicbahal@hotmail.com](mailto:vicbahal@hotmail.com)

**OBJECTIVE** To work as non-invasive and invasive (non-interventional) Cardiologist.

**ACADEMIC PREPARATION**

07/99-07/02 **Deborah Heart and Lung Center**, Brown Mills, NJ – Cardiovascular Diseases Fellowship.  
 07/97-01/98 **University of Illinois**, Chicago, Il- Cardiovascular Diseases Fellowship  
 06/94-06/97 **Allegheny University Hospital (Hahnemann University Hospital)** Philadelphia, PA- Internal Medicine Residency  
 06/93-06/94 **University of Medicine and Dentistry of New Jersey**, Stratford, NJ – Rotary Internship.  
 09/89-06/93 **Philadelphia College of Osteopathic Medicine**, Philadelphia, PA-DO  
 09/85-06/89 **Ursinus College, Collegeville**, PA-BS., Biology

**CERTIFICATIONS**

Board Certified American Board of Internal Medicine  
 Board Certified American Osteopathic Board of Internal Medicine  
 Board Certified American Board of Cardiology

**LICENSES**

State of New Jersey Medical License (07/99-Present)  
 State of Pennsylvania Medical License (10/94-Present)  
 State of Delaware Medical License (Pending)  
 State of Illinois Medical License (07/97-07/99)  
 Federal Drug Enforcement Agency License (10/94-Present)

**RESEARCH EXPERIENCE**

**Allegheny University Hospital (Hahnemann University Hospital)**, Division of Cardiology. Conducted research on the role of platelets in intra-vascular thrombogenesis post angioplasty.

**Smithkline Beecham**, King of Prussia, PA, Division of Molecular Biology. Worked as a research assistant on the development of protease-inhibitor in the Human Immunodeficiency virus (05/90-8/90)

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**EMPLOYMENT HISTORY**

01/06 - Present **Advanced Cardiology of South Jersey, Inc**, Swedesboro, NJ  
President, CEO, Non-invasive and Invasive cardiologist.

01/04-03/06 **Internal Medicine Associates, PA.**, Bridgeton, NJ  
Non-invasive and Invasive cardiologist.

07/02-10/03 **West Chester Cardiology**, West Chester, PA  
Non-invasive and Invasive cardiologist.

12/99-12/00 **Robert Wood Johnson Hospital at Hamilton**, Hamilton, NJ  
House Physician, ICU/CCU/Medical

02/99-06/99 **Holy Redeemer Hospital and Medical Center**, Philadelphia, PA  
House Physician, ICU/CCU/Medical

02/99-06/99 **Kirkbride Center**, Philadelphia, PA  
General Internal Medicine Physician, Addiction Medicine, Psychiatric Disorders

03/98-01/99 **St. Francis Hospital**, Evanston, IL  
House Physician Cardiovascular Surgical Heart Unit, Telemetry, Post Angioplasty Unit

03/98-01/99 **Vencor Lakeshore Hospital**, Chicago, IL  
House Physician ICU/Medical

06/95-06/97 **Holy Redeemer Hospital and Medical Center**, Philadelphia, PA  
House Physician, ICU/CCU/Medical

06/95-06/97 **Nazareth Hospital**, Philadelphia, PA  
House Physician, ICU/CCU/Medical

06/95-06/97 **Mercy Haverford Hospital**, Haverford, PA  
House Physician, ICU/CCU/Medical

06/95-06/97 **Family Medicine of Lionville**, Lionville, PA  
Adult/Pediatric Family Medicine

07/91-06/93 **Temple University Hospital**, Philadelphia, PA  
Dept of Clinical Chemistry, Medical Technician

10/90-05/91 **Philadelphia College of Osteopathic Medicine**, Philadelphia, PA  
Dept of Internal Medicine, Diabetes Educator

05/89-08/89 **Smithkline Beecham**, Animal Health Division, West Chester, PA  
Technical Writer. Wrote summary reports on New Animal Drug Applications for the Food and Drug Administration

**ACADEMIC APPOINTMENTS**

10/04-Present **University of Medicine and Dentistry of New Jersey  
Robert Wood Johnson Medical School**, New Brunswick, NJ  
Clinical Assistant Professor Medicine, Cardiology Division

03/02-Present **Ultrasound Diagnostic Schools**, Trevese, PA  
Medical Director, Cardiovascular Division

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- 07/02-10/03 **Chester County Hospital, West Chester, PA**  
Attending Cardiologist, Invasive/Non-Invasive
- 07/02-10/03 **Chester County Hospital, West Chester, PA**  
Stroke Committee
- 07/02-10/03 **Chester County Hospital, West Chester, PA**  
Intensive Care Unit Committee

### HONORS

Who's Who in Medicine and HealthCare  
Who's Who in Science  
Who's Who in America  
Outstanding Achiever of the 21<sup>st</sup> Century- International Biographical  
Center, Cambridge, England  
Tri-Beta Honorary Biology Society  
Officer of Brownback-Anders Medical Society, Ursinus College (6/88-  
6/89)

### PROFESSIONAL MEMBERSHIPS

American Medical Association  
American Osteopathic Association  
American College of Cardiology  
American Society of Echocardiography  
American Society of Nuclear Cardiology  
American College of Physicians-Society of Internal Medicine  
Fellow American College of Cardiology  
Fellow American College of Angiology  
Founding Member Society of Cardiovascular Computed Tomography  
New Jersey Association of Osteopathic Physicians and Surgeons  
Pennsylvania Medical Society  
Diplomate American Board of Internal Medicine  
Diplomate American Osteopathic Board of Internal Medicine  
Diplomate American Board of Cardiology

### AVOCATIONS

Aviation, tennis, golf and travel

### CITIZENSHIP

United States of America

### REFERENCES

Available upon request

Item 8 NCC  
Item 6 NJDEP



**Cooper Heart Institute/ University Cardiology**  
Nuclear Cardiology and Exercise Laboratories  
Phone (856) 342-2034 Fax (856) 325-6702

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**Certification of Competency and Completion of Training Requirements**

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Certification Board of Nuclear Cardiology  
9929 Main Street - Suite C  
Damascus, MD 20872  
Phone: 301-253-7122  
Fax: 301-253-7123  
E-mail: cbnc@starpower.net

Re: Vishal Bahal

Date 5/12/2004

This letter certifies that Dr. Bahal completed a fellowship training program in nuclear cardiology that meets or exceeds the requirements outlined in the American College of Cardiology/American Society of Nuclear Cardiology COCATS Guidelines (as revised in 2000).

Dr. Bahal has achieved a level of competence sufficient to function independently as an authorized user for the medical uses authorized under NRC 35.290 [Training for Imaging and Localization Studies].

Dr. Bahal has training and experience equivalent to Level 2 Training in Nuclear Cardiology as outlined in the ACC/ASNC COCATS Guidelines (as revised in 2000).

Dr. Bahal has satisfactorily completed at least 700 hours of didactic training or work experience which includes:

- a.) radiation physics and instrumentation
- b.) radiation protection
- c.) radiation safety
- d.) mathematics pertaining to the use and measurement of radioactivity
- e.) chemistry of byproduct material for medical use
- f.) radiation biology

As well as sufficient interpretation of clinical cases and hands-on experience as outlined in the ACC/ASNC COCATS Guidelines (as revised in 2000)

Sincerely,

**Augustine E. Agocha, MD, PhD, FACC, Authorized User**  
Director, Nuclear Cardiology and Exercise Labs  
Cooper Health System - RWJ Medical School  
Camden, NJ 08103  
NRC License # 29-08285-01

Item 8 NRC  
Item 6 NJDEP

The Health Network of  
**C THE CHESTER COUNTY HOSPITAL**

701 E. Marshall Street • West Chester, PA 19380 • www.cchosp.com

Richard M. Armstrong, Jr., Chairman

H. L. Perry Pepper, President

Mary Ellen Josephs, Secretary

Telephone: 610-431-5000

March 18, 2004

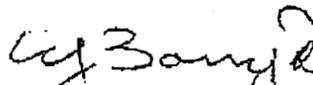
Augustine Agocha, M.D., FACC  
 900 Centennial boulevard  
 Suite H  
 Voorhees, NJ 08043

Dear Dr. Agocha:

This letter is to affirm that Vishal Bahal, D.O., FACC was on the Medical Staff at The Chester County Hospital from September 2002 to December 2003. During that time he participated in and interpreted 408 nuclear Myoview scans (gated studies), 140 Cardiolite scans (gated) and about 10 Thallium studies at the hospital. In addition, he also accumulated 661 hours in work experience with radiation. He also has taken a 50 hour didactic course in Nuclear Cardiology. In my opinion, he has satisfactorily completed the requirements of 10 CFR 35.290 and a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.200 (limited to cardiovascular clinical procedures).

The total hours of concurrent training and experience was 710 hours. If you have any questions, please do not hesitate to contact me.

Sincerely,

  
 William J. Barry, M.D.  
 Department of Radiology  
 The Chester County Hospital

Material License/Nuclear License Number: 37-03390-03

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Serving Chester County Since 1892

**ASSOCIATES IN MEDICAL PHYSICS, LLC**  
A NATIONAL MEDICAL PHYSICS CONSULTING GROUP



**NATIONAL OFFICE:**  
5288 TRANSPORTATION BLVD.  
CLEVELAND, OH 44125

www.medphysics.com

PHONE: (216) 663-7000  
FAX: (216) 581-4361  
V M: (800) 709-4855

This is to certify that

Vishal Bahal, D.O.

has completed all requirements for the Nuclear Licensing Course for Physicians. Associates in Medical Physics, LLC designates this continuing medical education activity for 30 credit hours in Category 1 of the Physician's Recognition Award of the American Medical Association.

Dates attended:

April 23-25, 2006

Director of Training

April 25, 2006

Date

Associates in Medical Physics, LLC is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

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**ASSOCIATES IN MEDICAL PHYSICS, LLC**  
A NATIONAL MEDICAL PHYSICS CONSULTING GROUP



**NATIONAL OFFICE:**  
5288 TRANSPORTATION BLVD.  
CLEVELAND, OH 44125

[www.medphysics.com](http://www.medphysics.com)

PHONE: (216) 663-7000  
FAX: (216) 581-4361  
V M: (800) 709-4855

This is to certify that

Vishal Bahal, D.O.

has completed all requirements for the Nuclear Physician Licensing Course. Associates in Medical Physics, LLC designates this continuing medical education activity for 50 credit hours in Category 1 of the Physician's Recognition Award of the American Medical Association.

Dates attended:

February 9-13, 2004

Director of Training

February 13, 2004

Date

Associates in Medical Physics, LLC is accredited by the Accreditation Council for Continuing Medical Education to sponsor continuing medical education for physicians.

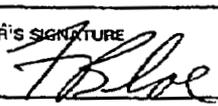
Item 8 NRC

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SUPPLEMENT A		U.S. NUCLEAR REGULATORY COMMISSION		
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER				
1. NAME OF PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER			2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED	
Vishal Bahal, D.O.				
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
4. TRAINING RECEIVED IN BASIC RADIOISOTOPE HANDLING TECHNIQUES				
FIELD OF TRAINING A	LOCATION AND DATE(S) OF TRAINING B	TYPE AND LENGTH OF TRAINING		
		CLOCK HOURS IN LECTURE OR LABORATORY	CLOCK HOURS OF SUPERVISED ON-THE-JOB EXPERIENCE	
a. RADIATION PHYSICS AND INSTRUMENTATION	50 Hour Nuclear Physician Licensing Course held by Associates in Medical Physics, LLC, in Atlanta, Georgia on the following dates:	20		
b. RADIATION PROTECTION	February 9-13, 2004	12		
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	"	6		
d. RADIATION BIOLOGY	"	4		
e. RADIOPHARMACEUTICAL CHEMISTRY	"	8		
5. EXPERIENCE WITH RADIATION. <i>(Actual use of Radioisotopes or Equivalent Experience)</i>				
ISOTOPE	ICI USED AT ONE TIME	LOCATION	CLOCK HOURS	TYPE OF USE

Item 8 NRC  
Item 6 NIDep



PROPOSED PHYSICIAN USER <b>Vishal Bahal, D.O.</b>			
PRECEPTOR STATEMENT (CONTINUED)			
2. CLINICAL TRAINING AND EXPERIENCE OF ABOVE NAMED PHYSICIAN (Continued)			
ISOTOPE A	CONDITIONS DIAGNOSED OR TREATED B	NUMBER OF CASES INVOLVING PERSONAL PARTICIPATION C	COMMENTS (Additional information or comments may be submitted in duplicate on separate sheets.) D
P-32 <i>(Soluble)</i>	TREATMENT OF POLYCYTHEMIA VERA, LEUKEMIA, AND BONE METASTASES	X	
P-32 <i>(Colloidal)</i>	INTRACAVITARY TREATMENT	X	
I-131	TREATMENT OF THYROID CARCINOMA	X	
	TREATMENT OF HYPERTHYROIDISM	X	
Au-198	INTRACAVITARY TREATMENT	X	
Co-60 or Cs-137	INTERSTITIAL TREATMENT	X	
	INTRACAVITARY TREATMENT	X	
I-125 or Ir-192	INTERSTITIAL TREATMENT	X	
	TELE THERAPY TREATMENT	X	
Sr-90	TREATMENT OF EYE DISEASE	X	
	RADIOPHARMACEUTICAL PREPARATION	X	
Mo-99/ Tc-99m	GENERATOR	1	
Sr-113/ In-113m	GENERATOR	X	
Tc-99m	REAGENT KITS	1	
Other	ALBUMINA TESTING	X	
3. DATES AND TOTAL NUMBER OF HOURS RECEIVED IN CLINICAL RADIOISOTOPE TRAINING			
LOCATION	DATES	CLOCK HOURS OF EXPERIENCE	
Associates in Medical Physics, LLC  Presented in Atlanta, GA	February 9-13, 2004	2	
4. THE TRAINING AND EXPERIENCE INDICATED ABOVE WAS OBTAINED UNDER THE SUPERVISION OF:		5. PRECEPTOR'S SIGNATURE 	
a. NAME OF SUPERVISOR <u>Frank Bloer</u>		7. PRECEPTOR'S NAME (Please type or print) Frank Bloer, DABSNM, DABMP	
b. NAME OF INSTITUTION <u>Associates in Medical Physics, LLC</u>		8. DATE February 13, 2004	
c. MAILING ADDRESS <u>5288 Transportation Boulevard</u>			
d. CITY <u>Cleveland, Ohio 44125</u>			
B. MATERIALS LICENSE NUMBER(S) 34-26645-02			

Item 8 NRC  
Item 6 NRC

**ASSOCIATES IN MEDICAL PHYSICS, LLC**

**THIS CERTIFIES THAT**

**Vishal Bahal, D.O.**

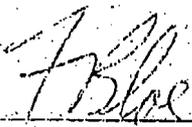
**HAS SUCCESSFULLY COMPLETED ALL REQUIREMENTS  
FOR THE**

**50 HOUR  
NUCLEAR PHYSICIAN LICENSING COURSE**

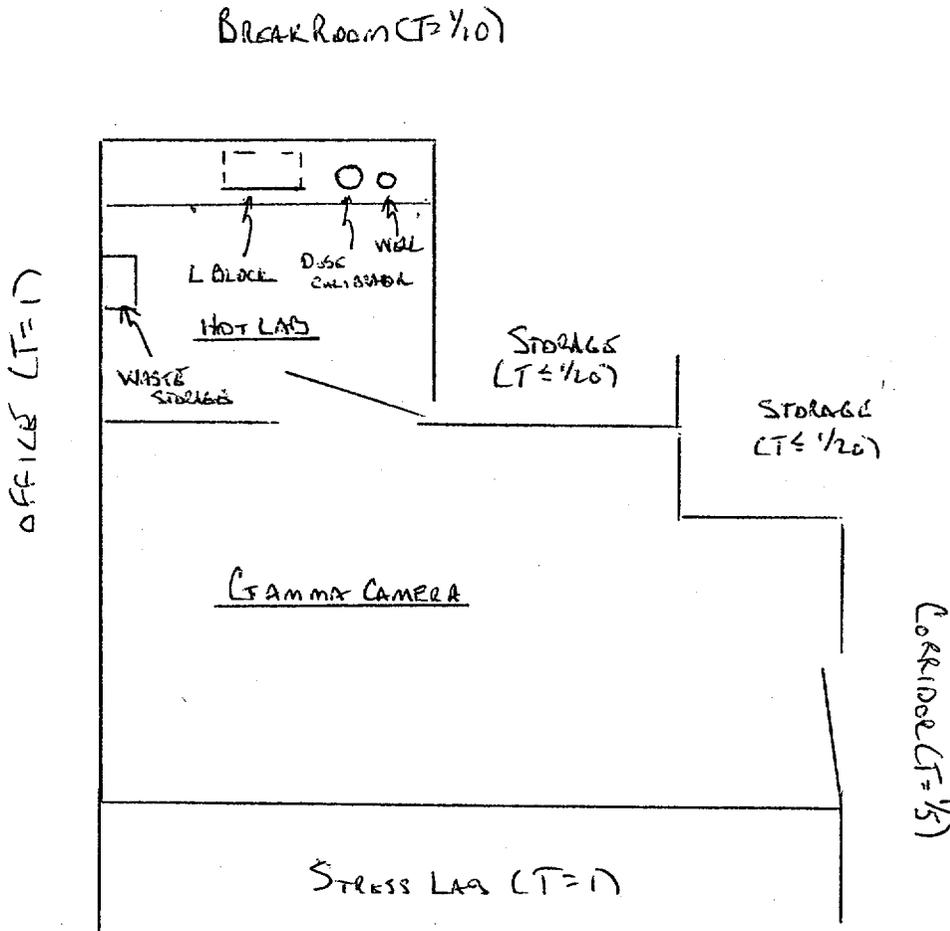
**AND IS HEREBY AWARDED THIS  
CERTIFICATE OF COMPLETION**

**ON THIS Thirteenth DAY OF February, 2004**

*Item 8 NCC  
Item 6 NJDEP*

  
\_\_\_\_\_  
DIRECTOR OF TRAINING

**ITEM 9: FACILITY DIAGRAM**



SCALE: 1/4" = 1'

NO OTHER NRC REGULATED ACTIVITIES TAKE PLACE AT THIS LOCATION.

SHIELDING SHALL BE PROVIDED TO ENSURE COMPLIANCE WITH 10CFR PART 20 AND CHAPTER 28 OF THE NJAC.

**ITEM 9: RADIATION MONITORING INSTRUMENTS**

- Radiation monitoring instruments will be calibrated by a person qualified to perform survey meter calibrations.
- We have developed and will implement and maintain written survey meter calibration procedures in accordance with the requirements in 10 CFR 20.1501 and that meet the requirements of 10 CFR 35.61.
- We have a Ludlum 14C with 44-9 probe Geiger counter survey instrument.
- We reserve the right to upgrade our survey instruments as necessary as long as they are adequate to measure the type and level of radiation for which they are used.
- We will have a Capintec CRC-15W dose calibrator and well counter with multi-channel analyzer.

**ITEM 9: DOSE CALIBRATOR**

- The Capintec CRC-15W will be calibrated in accordance with manufacturer's instructions or nationally recognized standards.

**ITEM 9: OTHER EQUIPMENT AND FACILITIES**

- We have necessary shielding and remote handling implements to maintain exposures ALARA. No, Xe 133 or Mo 99 generators will be used at this facility.

## **ITEM 10: RADIATION PROTECTION PROGRAM**

### **OCCUPATIONAL DOSE:**

Either we will perform a prospective evaluation demonstrating that unmonitored individuals are not likely to receive, in one year, a radiation dose in excess of 10% of the allowable limits in 10 CFR Part 20 or we will provide dosimetry that meets the requirements listed under "Criteria" in NUREG-1556, Vol. 9, "Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Medical Use Licensees," date October 2002.

### **AREA SURVEYS:**

We have developed and will implement and maintain written procedures for area surveys in accordance with 10 CFR 20.1101 that meet the requirements of 10 CFR 20.1501 and 10 CFR 35.70.

### **SAFE USE OF UNSEALED LICENSED MATERIAL:**

We have developed and will implement and maintain written procedures for safe use of unsealed byproduct material that meet the requirements of 10 CFR 20.1101 and 10 CFR 20.1301.

### **SPILL PROCEDURES:**

We have developed and will implement and maintain written procedures for safe response to spills of licensed material in accordance with 10 CFR 20.1101.

### **MINIMIZATION OF CONTAMINATION:**

Adherence to the procedures outlined within this application will adequately protect the facility and environment from contamination as well as minimize the generation of radioactive waste.

Vishal Bahal, D.O. NRC License Application May, 2006

**ITEM 11: WASTE MANAGEMENT**

We have developed and will implement and maintain written waste disposal procedures for license material in accordance with 10 CFR 20.1101 that also meet the requirements of the applicable section of Subpart K to 10 CFR Part 20 and 10 CFR 35.92.

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

5/29/2006, and to inform you that the initial processing which includes an administrative review has been performed.

NEW LICENSE APPLICATION (09037221)  
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** 138914.  
When calling to inquire about this action, please refer to this control number.  
You may call us on (610) 337-5398, or 337-5260.

BETWEEN: : (FOR LFMS USE)  
 : INFORMATION FROM LTS  
 : -----  
 :  
 License Fee Management Branch, ARM : Program Code: 02201  
 and : Status Code: 3  
 Regional Licensing Sections : Fee Category: \_\_\_\_\_  
 : Exp. Date: 0  
 : Fee Comments: \_\_\_\_\_  
 : Decom Fin Assur Reqd: \_  
 : .....

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED  
 Applicant/Licensee: BAHAL, VISHAL, D.O.  
 Received Date: 20060601  
 Docket No: 3037221  
 Control No.: 138914  
 License No.: 29-31162-01  
 Action Type: New Licensee

2. FEE ATTACHED \$2,300.00  
 Amount: \_\_\_\_\_  
 Check No.: 998

3. COMMENTS

Signed M. A. Paulson  
 Date 6/1/2006

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 \_\_\_\_\_  
 License \_\_\_\_\_

3. OTHER \_\_\_\_\_

Signed \_\_\_\_\_  
 Date \_\_\_\_\_