

APPLICATION FOR MATERIAL LICENSE

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 375 HRS FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNR 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0170), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

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.

APPLICATIONS FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

U.S. NUCLEAR REGULATORY COMMISSION
DIVISION OF INDUSTRIAL AND MEDICAL NUCLEAR SAFETY, NMSS
WASHINGTON, DC 20555

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS, IF YOU ARE LOCATED IN:

CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, PENNSYLVANIA, RHODE ISLAND, OR VERMONT, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION I
NUCLEAR MATERIALS SAFETY SECTION B
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406

ALABAMA, FLORIDA, GEORGIA, KENTUCKY, MISSISSIPPI, NORTH CAROLINA, PUERTO RICO, SOUTH CAROLINA, TENNESSEE, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION II
NUCLEAR MATERIALS SAFETY SECTION
101 MARIETTA STREET, SUITE 2900
ATLANTA, GA 30323

IF YOU ARE LOCATED IN:

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

U.S. NUCLEAR REGULATORY COMMISSION, REGION III
MATERIALS LICENSING SECTION
799 ROOSEVELT ROAD
GLEN ELLY 4, IL 60137

ARKANSAS, COLORADO, IDAHO, KANSAS, LOUISIANA, MONTANA, NEBRASKA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TEXAS, UTAH, OR WYOMING, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
MATERIAL RADIATION PROTECTION SECTION
611 RYAN PLAZA DRIVE, SUITE 1000
ARLINGTON, TX 76011

ALASKA, ARIZONA, CALIFORNIA, HAWAII, NEVADA, OREGON, WASHINGTON, AND U.S. TERRITORIES AND POSSESSIONS IN THE PACIFIC, SEND APPLICATIONS TO:

U.S. NUCLEAR REGULATORY COMMISSION, REGION V
NUCLEAR MATERIALS SAFETY SECTION
1450 MARIANA LANE, SUITE 210
WALNUT CREEK, CA 94606

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 JURISDICTION.

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)

National Veterinary Imaging, Inc.
10817 Sperry Road
Chesterland, Ohio 44026

3. ADDRESS(ES) WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED.

Same as listed in Item No. 2, along with 5035 Richmond Road, Cleveland, Ohio 44146, and 20600 Miles Parkway, Cleveland, Ohio 44128.

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Vincent A. Gargaro, Universal Consultants, Inc.

TELEPHONE NUMBER

(216) 327-9432

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 AND EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

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

FEE CATEGORY 7C

AMOUNT ENCLOSED \$ 760.00

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, 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, 63 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.

SIGNATURE - CERTIFYING OFFICER

TYPED/PRINTED NAME

TITLE

DATE

[Signature]

D. FEIGLIN

PRESIDENT
N.R.S.O.

10/20/92

FOR NRC USE ONLY

TYPE OF FEE APP	FEE CODE Oct 17 III	FEE CATEGORY 3P
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AMOUNT RECEIVED \$760	CHECK NUMBER 102	COMMENTS \$220 Refunded
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RECEIVED

APPROVED BY
Kita Jacques 10/30/92

DATE
OCT 26 1992

NATIONAL VETERINARY IMAGING, INC.
10817 Sperry Road
Chesterland, Ohio 44026

NRC FORM 313

3-2727-01

Items 5 and 6. Radioactive Material and Purpose for Which
Licensed Material Will Be Used.

Authorization is requested for radioactive materials as listed in 10 CFR 35.100, 35.200 and 35.300. The purposes for which licensed material will be used will be in accordance with 10 CFR.35 as indicated above.

Item 7. Individual responsible for Radiation Safety Program
and Their Training and Experience.

The Radiation Safety Officer for this Facility is Dr. David Feiglin. Please refer to NRC License No. 34-26422-01 for Stark County Cardiologists, Inc. for experience and training.

Ms. Lynn Tezak will assume the responsibility of Assistant Radiation Safety Officer. For training and experience, please refer to Supplement B.

Terrance A. Hamilton, DVM and Dr. Benjamin Fagin, DVM ACVR. Preceptor information is attached for training and experience for each individual listed.

Item 8. Training for Individuals Working in or Frequenting
Restricted Areas.

We will establish and implement the Model Training Program that was published in Appendix A to Regulatory Guide 10.8, Rev. 2.

Ancillary personnel whose duties may require them to work in the vicinity of radioactive materials would be informed about radiation hazards and appropriate precautions to be taken.

Item 9.1 Facilities and Equipment

Attached are the anticipated room diagrams for the location at Randall Veterinary Hospital, 20600 Miles Parkway, Cleveland, Ohio 44128 along with Veterinary Referral Clinic, 5035 Richmond Road, Cleveland, Ohio 44146.

FORM 94199

Equipment:

- Camera - Technicare 438 Gamma Camera with 560 computer
- Dose Calibrator - Capintec CRC-4 or equivalent
- Survey Meter - Bicron Surveyor 2000 (1 each site) or Ludlum 14 C or equivalent
- Uptake System - Nucleus MCA Multi-Channel Analyzer Uptake and Well System or Picker Spectroscaler 4 or equivalent

Item 9.2

Survey Meters will be calibrated in accordance with NRC License No. 34-20327-01 for Universal Consultants, Inc., No. Ridgeville, Ohio.

Item 9.3

We will establish and implement the Model Procedure for calibrating our Dose Calibrator that was published in Appendix C to Regulatory Guide 10.8, Rev. 2.

Item 9.4

We will establish and implement the Model Personnel External Exposure Monitoring Program published in Appendix D to Regulatory Guide 10.8, Rev. 2.

Item 9.5 - N/A

Item 9.6

The Radiation Safety Officer for this License is Dr. David Feiglin, with Lynn Tezak as Assistant Radiation Safety Officer.

Item 10.1 - Radiation Safety Program

We will issue the Model Radiation Safety Committee Charter and Radiation Safety Officer Delegation of Authority that was published in Appendix F to Regulatory Guide 10.8, Rev. 2.

Item 10.2

We will establish and implement the Model ALARA Program that was published in Appendix G to Regulatory Guide 10.8, Rev. 2.

Item 10.3

Leak test of Sealed Sources will be done in accordance with NRC License No. 34-20327-01 for Universal Consultants, Inc.

Item 10.4

We will establish and implement the Model Safety Rules published in Appendix I to Regulatory Guide 10.8, Rev. 2

Item 10.5

We will establish and implement the Model Spill Procedures published in Appendix J to Regulatory Guide 10.8, Rev. 2.

Item 10.6

We will establish and implement the Model Guidance for Ordering and Receiving Radioactive Material that was published in Appendix K to Regulatory Guide 10.8, Rev.2.

Item 10.7

We will establish and implement the Model Procedure for Opening Packages that was published in Appendix L to Regulatory Guide 10.8, Rev. 2.

Item 10.8

We will establish and implement the Model Procedure for Unit Dosage Record System that was published in Appendix M.1 to Regulatory Guide 10.8, Rev. 2.

Item 10.9

We will establish and implement the Model Procedure for a Multidose Vial Record System that was published in Appendix M.2 to Regulatory Guide 10.8, Rev. 2.

Item 10.10 - N/A

Item 10.11 - N/A

Item 10.12

We will establish and implement the Model Procedures for Area Surveys that was published in Appendix N to Regulatory Guide 10.8, Rev. 2. The Table N-1 will be used for action levels for both restricted and unrestricted areas. The action levels for area surveys will be 2 MR per hour for restricted areas and .05 MR per hour for unrestricted areas.

Item 10.13

We will establish and implement the Model Procedure for measuring and recording molybdenum concentration that was published in Appendix M.3 to Regulatory Guide 10.8, Rev. 2.

Item 10.14

We will establish and implement the Model Procedure for Radiation Safety During Radiopharmaceutical Therapy that was published in Appendix P to Regulatory Guide 10.8, Rev. 2.

Item 10.15 - N/A

Item 11.1 - Waste Management

We will establish and implement the General Guidance and Model Procedures for Waste Disposal that was published in Appendix R to Regulatory Guide 10.8, Rev. 2.

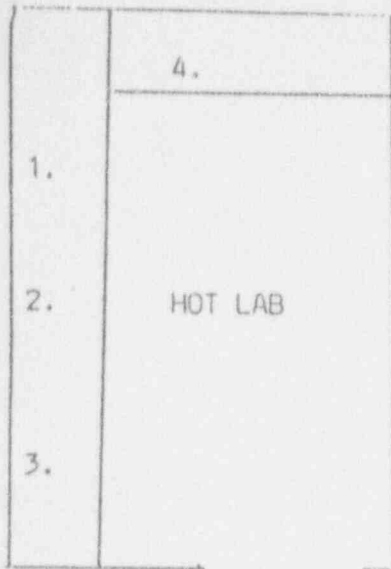
Patients will not be released until the conditions of 10 CFR 35.75 have been met.

SUPPLEMENT A

SUPPLEMENT		U.S. NUCLEAR REGULATORY COMMISSION		
TRAINING AND EXPERIENCE AUTHORIZED USER OR RADIATION SAFETY OFFICER				
1. NAME OF PROPOSED AUTHORIZED USER OR RADIATION SAFETY OFFICER Lynn Tezak			2. FOR PHYSICIANS, STATE OR TERRITORY WHERE LICENSED	
3. CERTIFICATION				
SPECIALTY BOARD A	CATEGORY B	MONTH AND YEAR CERTIFIED C		
NMTCB	Nuclear Medicine Tech	1981		
ARRT	Radiologic Technology	1972		
	Nuclear Medicine Tech	1975		
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	NMA Review Lake Hospital Systems		2 years training Grandfather clause 14 years working in field.	
b. RADIATION PROTECTION	NMA Review Lake Hospital Systems		"	
c. MATHEMATICS PERTAINING TO THE USE AND MEASUREMENT OF RADIOACTIVITY	NMA Review Lake Hospital Systems		"	
d. RADIATION BIOLOGY	NMA Review Lake Hospital Systems		"	
e. RADIOPHARMACEUTICAL CHEMISTRY	NMA Review Lake Hospital Systems		"	
5. EXPERIENCE WITH RADIATION, (Actual use of Radioisotopes or Equivalent Experience)				
ISOTOPE	mCi USED AT ONE TIME	LOCATION	CLOCK HOURS	TYPE OF USE
Tc 99m	30 mCi	Lake Hospital Systems	14 years	Diagnostic Imaging
I-123	300 uCi	"		
GA-67	10 mCi	"		
TL-301	4 mCi	"		
I-131	30 mCi	"		Hypetherapy Rx
Molyaen	200 mCi	"		

CONTROL NO. 44183

FACILITY DIAGRAM
for
RANDALL VETERINARY HOSPITAL
20600 Miles Parkway
Cleveland, Ohio 44128



GE GAMMA CAMERA
IMAGING AND INJECTION AREA

1. CAPINTEC CRC 4 DOSE CALIBRATOR
2. LEAD L BLOCK
3. LEAD STORAGE AREA 8" X 8" X 2"
4. SURVEY METERS

The doses for the Veterinary Referral Clinic located at 5035 Richmond Road, Cleveland, Ohio 44146, will be shielded until the time for administration. The doses will be assayed in a Capintec CRC 4 Dose Calibrator or equivalent. Radiation levels will be less than those specified in 10 CFR 20.105 for unrestricted areas.