



RADIOCAT®

Centers For
The Treatment
of Feline
Hyperthyroidism

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Phoenix, AZ 85032

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San Mateo, CA 94401

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Middletown, CT 06457

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Marietta, GA 30062

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Arlington Heights, IL 60004

7712 Crosspoint Commons
Fisher, IN 46038

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Baltimore, MD 21228

19 Main Street
Wakefield, MA 01880

207 Montgomery Road
Westfield, MA 01085

223 Siebert Rd.
Pittsburgh, PA 15237

393 Woods Lake Rd.
Greenville, SC 29607

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Richmond, VA 23230

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November 2, 2016

Janice Nguyen
Senior Health Physicist
U.S. Nuclear Regulatory Commission
2100 Renaissance Boulevard, Suite 100
King of Prussia, PA 19406-2713

RE: RADIOCAT, LICENSE NUMBER 45-25330-01

Dear Ms. Nguyen:

In a May 28, 2015, application to renew License Number 45-25330-01, William E. Blevins, DVM, MS, DACVR was removed from the list of authorized users. In a November 24, 2015, letter to Penny Lanzisera, Radiocat confirmed that Dr. Blevins was not to be listed as an authorized user.

Radiocat is now requesting that Dr. Blevins again be listed as an authorized user on License Number 45-25330-01. His Statement of Training and Experience is attached. In addition to the experience listed on the attached form, Dr. Blevins has treated approximately 100 animals for hyperthyroidism using I-131 as an authorized user on Radiocat's license.

In a recent telephone conversation, you requested the determinations of release factors. The table that follows lists the locations in which release factors were calculated from data collected during complete treatment cycles from receipt of packages through injection and housing of animals to compaction of waste and cleanup. The average release factor, 4.17×10^{-4} , is an aggregate release factor from data from three locations between 2001 and 2011. All individual release factors and the average are lower than the release factor, 1×10^{-3} , used to determine

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the necessary exhaust rate to reduce the concentration of I-131 at the point of release in an unrestricted to below the 10 CFR 20 Appendix B, Table 2, Col 1 value.

Location	Treatment Date	Release Factor
IL	Feb-01	8.45×10^{-04}
MA	Mar-01	9.73×10^{-04}
NY	Apr-01	7.50×10^{-05}
NY	Oct-04	9.93×10^{-05}
NY	Nov-05	3.24×10^{-04}
NY	Dec-07	2.90×10^{-04}
NY	Dec-08	5.75×10^{-04}
NY	Dec-09	1.99×10^{-04}
NY	Nov-10	2.74×10^{-05}
NY	Dec-11	7.60×10^{-04}
Average		4.17×10^{-04}

I-131 Release Factors

Please call me at 847-965-1999 if you have any questions.

Sincerely,



Eli A. Port, CHP, CIH, P.E.
Health Physicist

attachment

cc: Rand Wachsstock, DVM
David R. Herring, DVM, DACVR
Karen Blumenkamp-Smith

STATEMENT OF TRAINING AND EXPERIENCE

Name	Office Location	Office Phone
William E. Blevins, DVM, MS, DACVR	Purdue University W. Lafayette, IN 47907	765-494-1122

Type of Training	Where obtained	Duration	On the job	Formal course
Rules and regulations governing the use and sources of radiation	Oak Ridge and Purdue Univ.	1 month 30 years as faculty & head of Imaging	X	X Plus safety training by Radiation and Environmental Management, Purdue U.
Principles and practices of radiation safety	Same as above	Same as above	X	Same as above
Radiation and radioactivity measurements, instruments and techniques	Same as above	Same as above	X	Same as above
Mathematics basic to the use or measurement of radiation or radioactivity	Oak Ridge Associated University	1 month		X
Biological effects of radiation	Oak Ridge Associated University	1 month		X
Safe handling and use of sources or radiation	Oak Ridge and Purdue University	1 month plus 30 years OJT	X	X

Experience with radioactive materials or other sources of radiation

	Type	Quantity	Use
1.	Technetium-99	200mCi	Scintigraphy
2.	Iridium	20 mCi	Scintigraphy
3.	Strontium 90	100 mCi	Brachytherapy
4.	I 125	50 mCi	Scintigraphy

I attest by signing below that this is an accurate representation of my training and experience.

Signature W E Blevins
 Print Name William E. Blevins
 Title Professor of Diagnostic Imaging
 Date 13 June 01