



# FOX RUN EQUINE CENTER

John M. Leonard, V.M.D., Director

April 5, 2005

Materials Licensing Branch  
U.S. NRC, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

37-30174-01  
03033657

Attention: James Dwyer  
              Betsy Ullrich  
Fax: 610-337-5269

RE: Amendment for I-192 use

To Whom It May Concern:

The purpose of this amendment request is to add Ir-192 seeds for therapy use on our equine patients. We request the possession of 400 mCi of Ir-192 in sealed source form. The radiation safety program is included for review.

We would hope to treat our first equine case within the next several days so we would appreciate a quick review of our request.

Should you have any questions regarding this application, please feel free to contact me.

Sincerely,

John M. Leonard, V.M.D.  
Enclosures

798 Fox Road • Apollo, Pennsylvania 15613 • (724) 727-3481  
Fax: (724) 727-9697 • www.foxrun.net • E-mail: JML@NB.NET

136707  
NMSS/RGNI MATERIALS-002

## **FOX RUN EQUINE CENTER**

### **PROCEDURES FOR THERAPUETIC USE OF SEALED SOURCES**

#### **Inventory of Sealed Source Implants**

Sealed sources will be inventoried upon receipt from the manufacturer and prior to the administration to an animal. The total number received will be entered on a log. Once it is determined the total seed count that will be administered to the animal, it will be entered into the log. Once the seeds have been inserted into the animal, the total seed count remaining will be determined and verified. The number of seeds inserted plus the remaining seeds should add up to the total number of seeds that were received.

#### **Radiation safety specific to sealed source use**

Once the animal has received the therapeutic seeds, it will be placed in isolation in a predetermined stall located remote from general public traffic. Typically, it will remain there for several days following the insert of the therapeutic seeds. At the time of release, the animal will be surveyed with a low level GM meter at the location of the therapy to determine that all seeds have been removed. The animal will not be released to its owner until the conclusion of the therapy and all seeds have been removed and accounted.

The sources will then be returned to the hot lab and inventoried to verify that all sealed sources have been accounted. The Radiation Safety Officer will be notified in the event that there is a discrepancy between the total sources that should be on hand and the sources counted.

No animal will be returned to its owner that has sealed sources remaining.

#### **Emergency surgery of patients that have received therapeutic amounts of radionuclides**

The following procedures should be followed:

Direct any personnel involved in the surgical procedure to keep doses ALARA. Time, distance and shielding concepts should be applied when practical for the staff taking part in the procedure.

**Autopsy of patients that have received therapeutic amounts of radionuclides**

The following procedures should be followed:

Immediately notify the Authorized User in charge of the patient and the RSO upon death of the animal.

An autopsy will be conducted only after consultation and permission from the RSO and owner. Radiation safety staff should evaluate the radiation safety hazard(s), direct personnel in safety and protection, and suggest suitable procedures in order to keep doses ALARA during the autopsy.

All sealed sources must be removed from the animal and accounted.

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

4/5/2005, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment 37-30674-01  
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

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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** 136707.  
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: 02400  
 and : Status Code: 0  
 Regional Licensing Sections : Fee Category: 3P  
 : Exp. Date: 20150131  
 : Fee Comments: \_\_\_\_\_  
 : Decom Fin Assur Req'd: N  
 : ::

LICENSE FEE TRANSMITTAL

A. REGION I

1. APPLICATION ATTACHED  
 Applicant/Licensee: FOX RUN EQUINE CENTER  
 Received Date: 20050404  
 Docket No: 3033657  
 Control No.: 136707  
 License No.: 37-30174-01  
 Action Type: Amendment

2. FEE ATTACHED  
 Amount:           /            
 Check No.:                   

3. COMMENTS

Signed Rebecca Jensen  
 Date 4/5/2005

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 \_\_\_\_\_