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December 12, 2005

Thomas K. Thompson  
Senior Health Physicist  
Commercial and R&D Branch  
United State Nuclear Regulatory Commission, Region I  
475 Allendale Road  
King of Prussia, PA 19406-1415

07-03990-01

03003868

Subject: AstraZeneca Pharmaceuticals LP License Application – Control No. 137845

Dear Mr. Thompson,

As requested by Dennis Lawyer of the Nuclear Regulatory Commission, we submit the following information to support our letter dated December 1, 2005:

**The application no longer requests Ni-63 as authorized material. In order to remove Nickel-63 from your license provide evidence that the Ni-63 sources have been transferred to an authorized license and provide leak test results of Ni-63 sources within 6 months of transfer demonstrating that they did not leak.**

Ni-63 sources were purchased and received inside gas chromatographs. They were ultimately returned to the manufacturer. Only one of these sources was returned within the last five years and the leak test for that unit is attached. Because all other transfers were greater than five years ago and leak test records are only required to be maintained for three years, as provided at 10 CFR 39.35, these records are not available. We have no reason to believe that these sources ever leaked.

**It is not normally appropriate to use the release criteria as listed in Table R.3 of NUREG 1556, Volume 9 for non-medical licensee's. Medical licensee's are given more flexibility based on their limited scope and the reviewed benefit from use of licensed materials. You may either confirm to use Appendix S of NUREG 1556, Volume 11 or alternatively use the criteria stated in Appendix Q of NUREG 1556, Volume 7.**

We will use the appropriate release criteria of NUREG 1556, Volume 7 Table Q.2 values and Table Q.3 values, except for I-125. For I-125, we will use the appropriate NUREG 1556, Volume 9 Table R.3 values.

Sincerely,

A handwritten signature in black ink, appearing to read "Arnie I. Caine". The signature is written in a cursive style with a large initial "A" and a long horizontal stroke at the end.

Arnie I. Caine  
Vice President Facilities, Engineering and Corporate Services

Cc: Scott Petlick, CIH

Attachment



6/13/03

Agilent Technologies  
2850 Centerville Road  
Wilmington, DE 19808-1610

Attention: ECD Lab

Please dispose of the following:

Quantity 1  
Electron Capture Detector  
Physical Form: Solid  
Serial No. F5148, Model G1223A  
Sealed Ni63 Source 15mCi  
UN2911 Excepted Package Article with Transmittal Letter and License  
Send By Federal Express

Cost of disposal:  
\$250.00

Method of Payment: [REDACTED]  
American Express No. [REDACTED]  
Expiration Date [REDACTED]  
Name on Card: [REDACTED]

Please fax confirmation of disposal to Tim Coffin's attention at 302-886-1235.

Please contact Tim Coffin at (302) 886-2682 if you have any questions or concerns.

Best regards,

A handwritten signature in black ink that reads "Mary E. McElwain".

Mary E. McElwain  
Administrative Coordinator  
Wilmington R&D SHE Services



2850 Centerville Road  
Wilmington, DE 19808

AstraZeneca Pharmaceuticals LP  
Attn: Tim Coffin  
1800 Concord Pike  
P.O. Box 15437  
Wilmington, DE 19850-5437

17 June 2003

**Reference: Receipt of Radioactive Device(s)**

To Whom It May Concern:

This letter is to notify you that the Electron Capture Detector(s) listed below have been returned to, and are in possession of, Agilent Technologies Inc., 2850 Centerville Road, Wilmington, DE 19808, USA for further disposition.

<u>Serial Number</u>	<u>Model Number</u>	<u>Date Received</u>	<u>Local Visa Number</u>
F5148	19233-69576	06-16-03	NA

Please contact your local Agilent Technologies, Inc. service representative if you have any questions.

Regards,

A handwritten signature in black ink, appearing to read "David S. Bennett".

David S. Bennett  
Radiation Safety Office, U.S. Operations

WIPE TEST FOR <sup>63</sup>NICKEL ELECTRON CAPTURE DETECTOR

Biomedical Research Laboratory  
 AstraZeneca, Wilmington, DE  
 NRC License Number 07-03990-01

Test Performed by: Jim Coffin Date 06/10/03

Scintillation Counter L-044 PACKARD TRI-CARB A-2100-419674  
 (Location) (Make) (Model) (Serial #)

LOCATION		63 Ni	ETHANOL SWAB	WATER SWAB
NO	DETECTOR	mCi	dpm	dpm
1	STORAGE - C-159 (K. Terczak) HEWLETT-PACKARD 5800 SERIAL #F5148 Series II	15	24.51 dpm	15.33 dpm
	BLANK			
	- 14.57 dpm			