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November 10, 2006

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Mr. Dennis Lawyer
 U.S. Nuclear Regulatory Commission
 Region 1
 475 Allendale Road
 King of Prussia, PA 19406

37-07438-15
 03012998

J-6
 MS-16

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**Re: Use of Long-Lived Radioisotopes at Delaware Valley College
 Prior to July 31, 2004**

Dear Mr. Lawyer:

This is in response to your telephone inquiry regarding long-lived radioisotope use in laboratory locations at the Delaware Valley College campus location, previously licensed under our License No. 37-00148-06 prior to transfer to Drexel University School of Medicine.

During the period July 1, 1998 to July 31, 2004, the following activities of hydrogen-3 were received for use by authorized user (a.k.a. "licensee") Dr. Timothy Block.

First Half 1999	1.0	millicurie
Second Half 1999	0.75	millicurie
First Half 2000	6.0	millicurie
Second Half 2001	1.25	millicurie

Dr. Block was authorized for radioactive materials work during that time in the following rooms:

- 118 DVC (Mandell Science Bldg.)
- 125 DVC (Mandell Science Bldg.)
- 127 DVC (Mandell Science Bldg.)
- 128 DVC (Mandell Science Bldg.)

Sewer disposal of H-3 within Dr. Block's laboratories took place in the sink drain within Room 127 (location identified as "F-6" on enclosed sketch. Disposals by quantity and date are shown below (information from inventory record data for Dr. Block).

<u>Date</u>	<u>Amount Drain Disposed</u>	
12/08/99	25	microcurie
12/22/99	25	microcurie
05/10/00	15	microcurie
05/16/00	34	microcurie
11/05/01	48.5	microcurie

134371

NMSS/RGNI MATERIALS-002

No other radioisotopes with half-lives greater than 120 days were utilized at these locations prior to July 31, 2004.

We would like to note that under our program, radioisotope users are required to maintain a drain disposal log kept "at the sink", to track disposals via individual drains. These logs remained *in situ* within the DVC locations at the time that these laboratories were transferred to Drexel University School of Medicine, as the labs remained as active radioisotope locations at that time.

I hope that this information will be useful to you. Please contact me or my staff if you require any additional information or clarification.

Sincerely,



John C. Keklak
Radiation Safety Officer
Thomas Jefferson University Hospital, Inc.

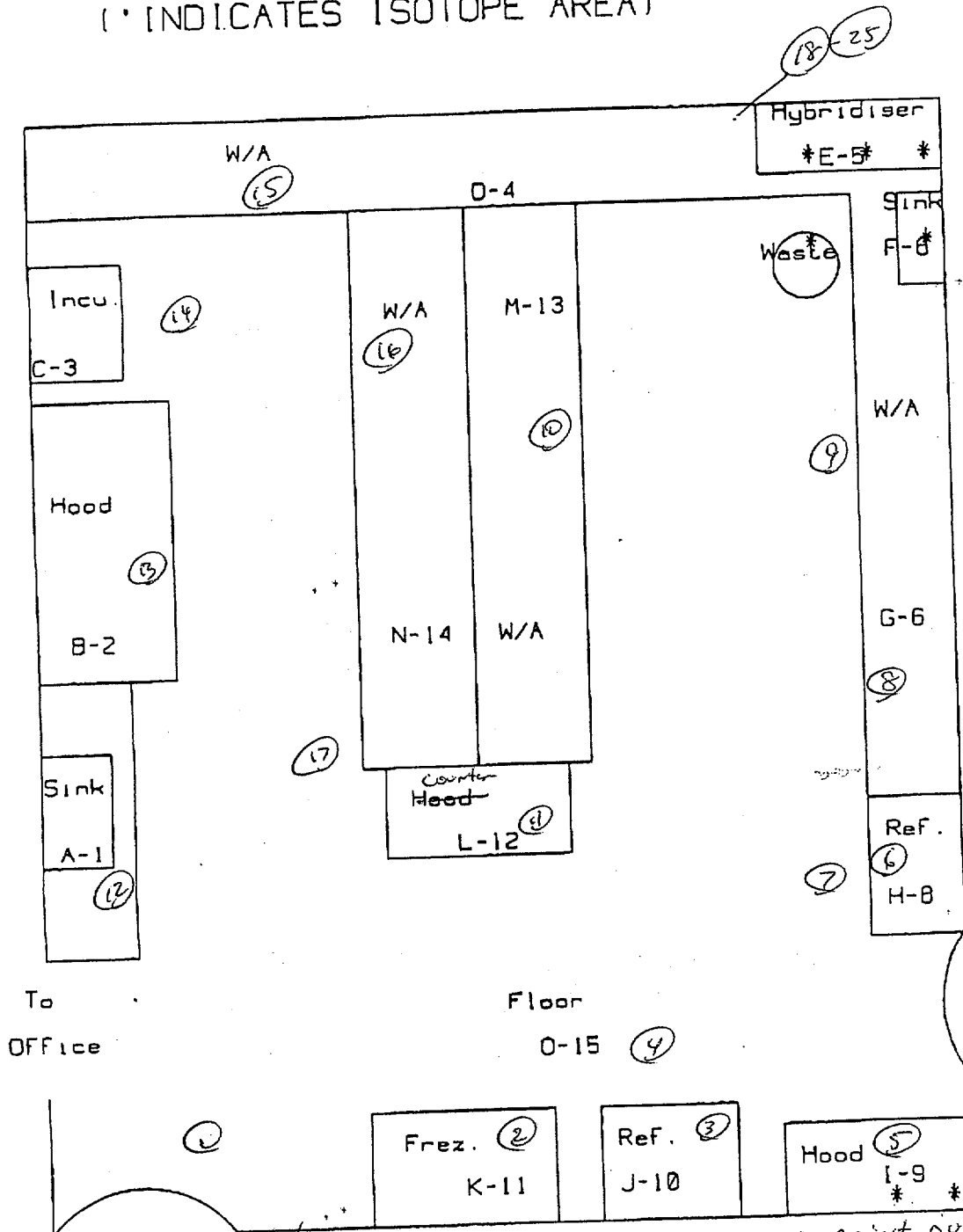
Enclosure

JCK/pm

Date 7/30/04
 Surveyor Larry Martino JH
 Lsc MDA
 Lud 18 98841 cal Date 2/5/04
 BK6D 0.03 mR/hr
 127 D.V.C.

BLOCK
 LW
 STEEL

(* INDICATES ISOTOPE AREA)



- 1 Floor
- 2 Freez
- 3 Ref
- 4 Rad Hood
- 5 Rad Hood
- 6 Rad Ref
- 7 Floor
- 8 counter
- 9 Floor
- 10 Floor Counter
- 11 Sink
- 12 Sink
- 13 Hood
- 14 Floor
- 15 counter
- 16 counter
- 17 Floor
- 18 shielding
- 19 waste bins
- 20 pipettors
- 21 Sink
- 22 water bath
- 23 counter
- 24 work area
- 25 work area

see print out of wipes
 58-82
 All wipes < 200 dpm/100cm²
 All monitoring < 0.03 mR/hr