



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 20, 2004

Docket No. 03036439  
Control No. 136069

License No. 29-30851-01

Evan Vosburgh, M.D.  
Vice President Research and Administration  
Verto Institute LLC  
303 B College Road East  
Princeton, NJ 08540

SUBJECT: VERTO INSTITUTE LLC, ISSUANCE OF LICENSE AMENDMENT, CONTROL  
NO. 136069

Dear Dr. Vosburgh:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Please note that on October 25, 2004, the NRC suspended public access to ADAMS, and initiated an additional security review of publicly available documents to ensure that potentially sensitive information is removed from the ADAMS database accessible through the NRC's web site. Interested members of the public may obtain copies of the referenced documents for review and/or copying by contacting the NRC Public Document Room pending resumption of public access to ADAMS. The NRC Public Document Room is located at NRC Headquarters in Rockville, MD, and can be contacted at 800-397-4209 or 301-415-4737 or [pdr@nrc.gov](mailto:pdr@nrc.gov).

Thank you for your cooperation.

Sincerely,

***Original signed by Elizabeth Ullrich***

Elizabeth Ullrich  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

E. Vosburgh  
Verto Institute LLC

2

Enclosure:  
Amendment No. 1

cc:  
Kevin Kerod, Radiation Safety Officer

DOCUMENT NAME: E:\Filenet\ML043560109.wpd

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	N	DNMS/RI	N	DNMS/RI			
NAME	JNicholson/JJN		EUIrich/EXU					
DATE	12/20/2004		12/20/2004					

OFFICIAL RECORD COPY

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee  1. Verto Institute LLC  2. 303 B College Road East Princeton, New Jersey 08540		November 30, 2004, 3. License number 29-30851-01
		4. Expiration date January 31, 2014
		5. Docket No. 03036439 Reference No.

  

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Hydrogen 3	A. Any	A. 100 millicuries
B. Carbon 14	B. Any	B. 40 millicuries
C. Phosphorus 32	C. Any	C. 200 millicuries
D. Phosphorus 33	D. Any	D. 200 millicuries
E. Sulfur 35	E. Any	E. 100 millicuries
F. Chromium 51	F. Any	F. 100 millicuries
G. Iodine 125	G. Non-volatile Compounds	G. 100 millicuries

  

9. Authorized use:
A. Through G. Research and development as defined in 10 CFR 30.4.

**CONDITIONS**

10. Licensed material may be used or stored only at the licensee's facilities located at 303 B College Road East, Princeton, New Jersey.

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
29-30851-01Docket or Reference Number  
03036439

01

11. A. Licensed material shall be used by, or under the supervision of Kevin Kerod. Licensed material in Subitems 6.A., 6.B., and 6.D. through 6.G. shall be used by Holly Steuer. Licensed material in Subitems 6.A. through 6.E. shall be used by Chris Harris, Uma Kavita, Frank Leu, and Congrong Niu. Licensed material in Subitems 6.F. and 6.G. shall be used by Meg Keilman .
- B. The Radiation Safety Officer for this license is Kevin J. Kerod.
12. The licensee shall not use licensed material in or on human beings.
13. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.
14. The licensee is authorized to hold byproduct material with a physical half-life of less than 120 days for decay-in-storage before disposal without regard to its radioactivity if it:
- A. Monitors byproduct material at the surface before disposal and determines that its radioactivity cannot be distinguished from the background radiation level with an appropriate radiation detection survey meter set on its most sensitive scale and with no interposed shielding; and
  - B. Removes or obliterates all radiation labels, except for radiation labels on materials that are within containers and that will be managed as biomedical waste after they have been released from the licensee; and
  - C. Maintains records of the disposal of licensed materials for 3 years. The record must include the date of disposal, the survey instrument used, the background radiation level, the radiation level measured at the surface of each waste container, and the name of the individual who performed the disposal.
15. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
29-30851-01Docket or Reference Number  
03036439

01

16. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

- A. Application dated January 7, 2004
- B. Letter dated November 30, 2004



For the U.S. Nuclear Regulatory Commission

Date December 20, 2004

By

***Original signed by Elizabeth Ullrich***Elizabeth Ullrich  
Commercial and R&D Branch  
Division of Nuclear Materials Safety  
Region I  
King of Prussia, Pennsylvania 19406