



OHIO DEPARTMENT OF HEALTH

246 North High Street
Columbus, Ohio 43215

614/466-3543
www.odh.ohio.gov

John R. Kasich/Governor

RECEIVED
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January 26, 2011

BY:

Attn: Richard Green
Radiation Safety Officer
Cardinal Health Quality and Regulatory
7000 Cardinal Place
Dublin, OH 43017

Dear Mr. Green

Enclosed is Amendment 11 to your State of Ohio Radioactive Materials License No. 03620250001 in accordance with your amendment request.

Please review the license to ensure that you understand all of the conditions. If you have any questions or detect any errors, do not hesitate to contact the Bureau of Radiation Protection at (614) 644-2727.

Your license will expire on August 1, 2015. You must conduct your radioactive material program in accordance with your license, representations made in your license application and the Ohio Administrative Code. In particular you must:

1. Notify the Bureau of Radiation Protection in writing, within thirty days:
 - a. When an authorized user or Radiation Safety Officer discontinues duties under the license or has a name change.
 - b. When the licensee's mailing address changes.
2. Notify the Bureau of Radiation Protection promptly, in writing, to request termination of license.
 - a. When you decide to terminate all activities involving radioactive materials authorized under your license.
 - b. If you decide not to possess or use the authorized radioactive material.
3. Request to obtain a license amendment before you:
 - a. Receive or use radioactive material not authorized on your license.
 - b. Change Radiation Safety Officers.
 - c. Order radioactive material of different form radionuclide or in excess of the amount authorized on your license.
 - d. Add or change the areas of use which involve the use of radioactive materials requiring a written directive.
 - e. Add or change address or addresses of use identified in the license application or on the license.
 - f. Change ownership of the organization.
 - g. Permit anyone to work as an authorized user who is not listed on your license.
4. Submit a complete license Renewal Application or Termination Request at least 90 days before the expiration date of your license.

The Bureau of Radiation Protection will periodically inspect you. Failure to conduct your radioactive material program in accordance with State of Ohio regulations, license conditions and representations made in your license application may result in enforcement actions against you.

Sincerely,

Stephen James
Licensing and Inspection Supervisor
Bureau of Radiation Protection

**OHIO DEPARTMENT OF HEALTH
LICENSE FOR RADIOACTIVE MATERIAL**

Pursuant to Chapter 3748 of the Ohio Revised Code, and in reliance on statements and representations made by the licensee, a license is hereby issued authorizing the licensee named herein to receive, acquire, possess, and transfer radioactive material as 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 applications of Chapter 3748 of the Ohio Revised Code and all applicable rules promulgated thereunder. This license is subject to all applicable rules, regulations and orders of the Ohio Department of Health now or hereinafter in effect and to any conditions specified below.

LICENSEE 1. Cardinal Health Quality & Regulatory 2. 7000 Cardinal Place Dublin, OH 43017	LICENSE NUMBER 3. 03620250001 EXPIRATION DATE 4. August 1, 2015 FILE NUMBER – ID NUMBER 5. 501233 -4207
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| 6. RADIOACTIVE MATERIAL

A. Any unsealed radioactive material with atomic numbers 1 to 83, inclusive, except as specified below

B. Molybdenum-99/Technetium-99M

C. Iodine-123, Iodine-125, and Iodine-131

D. Depleted Uranium

E. Americium-241

F. Radium-223

G. Any radioactive material with atomic number less than 96 | 7. CHEMICAL AND/OR PHYSICAL FORM

A. Any

B. Any

C. Any

D. Solid

E. Any

F. Liquid

G. Any | 8. MAXIMUM QUANTITY THAT LICENSEE MAY POSSESS AT ANY ONE TIME UNDER THIS LICENSE

A. No single radionuclide to exceed 37 GBq (1 Ci), total possession not to exceed 74 GBq (2 Ci)

B. No single source to exceed 1480 GBq (40 Ci)

C. No single source to exceed 22.2 GBq (600 mCi)

D. No single source to exceed 300 kilograms

E. No single source to exceed 37 kBq (1 µCi)

F. No single source to exceed 37 MBq (1 mCi)

G. As needed |
|--|---|--|

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9. Authorized Use
- A. through C. To be used:
 - i. As marker, calibration and references sources for calibration of instruments.
 - ii. For testing processing, mixing, or compounding of drugs for training purposes only.
 - iii. For research and development purposes.
 - D. Shielding for generators.
 - E. Calibration and reference source for calibration of instruments.
 - F. Testing processing, mixing or compounding of drugs for training purposes, only; and for research and development purposes.
 - G. In samples used for sealed source leak testing and contamination monitoring or analytical testing.
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CONDITIONS

- 10. Licensed material may only be used at the licensee's facilities located at:
 - A. 7200 Cardinal Place West, Room LH5224, Dublin, OH 43017
- 11. The Radiation Safety Officer for this license is: Richard Green, R.Ph., BCNP.

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	License Number: 03620250001
	File Number – ID Number: 501233 - 4207
	Amendment No. 11

12. Licensed Material shall be used by:

- | | | |
|--------------------------|-------------------------------|-------------------------|
| A. John Lowry, Pharm. D. | B. Jack L. Coffey, CHP | C. Paul Gotti, R.Ph. |
| D. Janet Robertson R.Ph. | E. Richard Green, R.Ph., BCNP | F. Willie Regits, PH.D. |
| G. Vai Paye | H. Paul Knapp, R.Ph. BCNP | I. Amy Schnees |
| J. Dan Hill | K. <i>Evan Western</i> | |

13. All sealed sources that are used or obtained shall have been evaluated or approved under the provisions of OAC 3701:1-46-49, or equivalent NRC or Agreement State regulation.
14. Sealed sources shall be tested for leakage and/or contamination in accordance with OAC 3701:1-38-24.
15. The licensee shall maintain a running inventory that accounts for radioactive materials received, in storage, bound in the processing components, discharged to the atmosphere or sanitary sewer, and disposed of through a hazardous waste broker.
16. The licensee is authorized to dispose of licensed radioactive material only in accordance with OAC 3701:1-38-19.
17. The licensee may transport licensed material in accordance with the provisions of OAC 3701:1-50.
18. In addition to the possession limits in item 8, the licensee shall further restrict the possession of licensed materials to quantities below the minimum limit specified in OAC 3701:1-40-17(B) for establishing decommissioning financial assurance.
19. 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 Ohio Department of Health's regulations shall govern unless statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Renewal application dated June 4, 2010; this amendment renews license 03620250001 in its entirety (Amendment 10).
- B. *Letter dated October 25, 2010 (Amendment 11)*

For the Ohio Department of Health

DATE: 1/12/11 BY: *Michael J. Snee*
 Michael J. Snee, Chief
 Bureau of Radiation Protection
 on behalf of the Director of Health