

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.

| | |
|---|---|
| <p style="text-align: center;">LICENSEE</p> <p>1. Datchem Laboratories</p> | <p style="text-align: center;">LICENSE NUMBER</p> <p>3. 03620310011</p> |
| <p>2. 4388 Glendale-Milford Road Cincinnati, Ohio 45242-3706</p> | <p style="text-align: center;">EXPIRATION DATE</p> <p>4. May 1, 2010</p> |
| | <p style="text-align: center;">BUREAU DOCKET NUMBER</p> <p>5. SJ04-12-99</p> |

| 6. RADIOACTIVE MATERIAL | 7. CHEMICAL AND/OR PHYSICAL FORM | 8. MAXIMUM QUANTITY THAT LICENSEE MAY POSSESS AT ANY ONE TIME UNDER THIS LICENSE |
|-------------------------|----------------------------------|--|
| A. Cobalt-60 | A. Asbestos sample | A. 1.85 MBq (0.05 mCi) per sample not to exceed 37 MBq (1 mCi) total |
| B. Strontium-90 | B. Asbestos sample | B. 1.85 kBq (0.05 µCi) per sample not to exceed 18.5 MBq (0.5 mCi) total |
| C. Yttrium-90 | C. Asbestos sample | C. 1.85 MBq (0.05 mCi) per sample not to exceed 370 MBq (10 mCi) total |
| D. Technetium-99 | D. Asbestos sample | D. 1.85 MBq (0.05 mCi) per per sample not to exceed 370 MBq (10 mCi) total |
| E. Cesium-137 | E. Asbestos sample | E. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |
| F. Thorium-230 | F. Asbestos sample | F. 1.85 kBq (0.05 µCi) per sample not to exceed 925 kBq (25 µCi) total |
| G. Thorium-232 | G. Asbestos sample | G. 1.85 kBq (0.05 µCi) per sample not to exceed 925 kBq (25 µCi) total |
| H. Uranium-235 | H. Asbestos sample | H. 1.85 kBq (0.05 µCi) per sample not to exceed 925 kBq (25 µCi) total |
| I. Uranium-238 | I. Asbestos sample | I. 1.85 kBq (0.05 µCi) per sample not to exceed 925 kBq (25 µCi) total |
| J. Neptunium-237 | J. Asbestos sample | J. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |
| K. Plutonium-238 | K. Asbestos sample | K. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |
| L. Plutonium-239 | L. Asbestos sample | L. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |
| M. Plutonium-240 | M. Asbestos sample | M. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |
| N. Plutonium-241 | N. Asbestos sample | N. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |
| O. Americium-241 | O. Asbestos sample | O. 1.85 kBq (0.05 µCi) per sample not to exceed 925 kBq (25 µCi) total |
| P. Natural Uranium | P. Environmental samples | P. 0.2 gm per sample not to exceed 40 gm total |
| Q. Curium-243 | Q. Air samples | Q. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |
| R. Curium-244 | R. Air samples | R. 1.85 kBq (0.05 µCi) per sample not to exceed 370 kBq (10 µCi) total |

LICENSE FOR RADIOACTIVE MATERIALS

License Number: 03620310011

SUPPLEMENTARY SHEET

Bureau Docket Number: SJ04-12-99

Amendment No: 4

9. Authorized Use

A. through R. Possession incident to asbestos and metal analysis of air and bulk samples collected from radioactively contaminated materials.

CONDITIONS

10. Licensed material shall be used only at the licensee's facilities located at:

4388 Glendale-Milford Road
Cincinnati, Ohio

11. The Radiation Safety Officer for this license is:

Christopher Baugues

12. Licensed material shall be used by, or under the supervision of Shawn Smythe and Christopher Baugues.

13. The licensee shall not use licensed material in or on human beings except as provided otherwise by specific condition of this license.

14. The licensee shall not use licensed material in field applications where activity is released except as provided otherwise by specific condition of this license

15. The licensee is authorized to transport licensed material only in accordance with the provisions of Chapter 3701:1-50 of the Administrative Code.

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 Ohio Department of Health's statutes, rules and orders shall govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the regulations.

A. License renewal application dated April 20, 2005, letter with attachments dated May 20, 2005, and Letter of Credit from Wells Fargo dated July 20, 2005. Amendment 4 renews this license in its entirety.

For the Ohio Department of Health

DATE:

8/27/05

BY:


Director, Ohio Department of Health