



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

April 10, 2008

Docket No. 03015053
Control No. 141803

License No. 29-18430-01

Michael Litchenbeyer
Manager
Linde, Inc.
100 Mountain Avenue
Murray Hill, NJ 07974-2064

SUBJECT: LINDE, INC., LICENSE AMENDMENT, CONTROL NO. 141803

Dear Mr. Litchenbeyer:

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).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material**; then **Regulations, Guidance, and Communications**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by James P. Dwyer

Dennis R. Lawyer
Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 18

cc:
Scott Dennerlein, Radiation Safety Officer

DOCUMENT NAME: C:\FileNet\ML081010585.wpd

SUNSI Review Complete: DLawyer

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NAME	DLawyer /DRL1/						
DATE	4/10/2008						

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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.

<p style="text-align: center;">Licensee</p> <p>1. Linde, Inc. Technical Center</p> <p>2. 100 Mountain Avenue Murray Hill, New Jersey 07974</p>	<p>In accordance with the letter dated January 30, 2008,</p> <p>3. License number 29-18430-01 is amended in its entirety to read as follows:</p> <hr/> <p>4. Expiration date June 30, 2011</p> <hr/> <p>5. Docket No. 030-15053 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Krypton 85</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 15 millicuries</p>
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9. Authorized use:

A. 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 100 Mountain Avenue, New Providence, New Jersey.
11. Licensed material shall be used by, or under the supervision of, Scott Dennerlein, James Bishop, Martin Pawloski, or Kevin Young.
12. The Radiation Safety Officer for this license is Scott Dennerlein.
13. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material at a single location to quantities below the limits specified in 10 CFR 30.72 which require consideration of the need for an emergency plan for responding to a release of licensed material.
14. The licensee shall not use licensed material in or on human beings.

**MATERIALS LICENSE
SUPPLEMENTARY SHEET**License Number
29-18430-01Docket or Reference Number
030-15053

Amendment No. 18

15. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.
16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."
17. 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 February 26, 2001 (ML010720217)
 - B. Letter dated June 15, 2001 (ML011760555)
 - C. Letter dated January 13, 2003 (ML030210544)
 - D. Letter dated January 30, 2008 (ML080510316)



For the U.S. Nuclear Regulatory Commission

Date April 10, 2008

By

Original signed by James P. Dwyer

James P. Dwyer, Chief
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406