



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

September 12, 2016

Mr. Robin DeLaBarre  
Office of Nuclear Energy, Safety  
& Security, Room 3320 HST  
Bureau of International Security  
& Nonproliferation  
U.S. Department of State  
2201 C Street, NW  
Washington, DC 20520

Dear Mr. DeLaBarre:

Enclosed is an application dated June 29, 2016, received by the U.S. Nuclear Regulatory Commission (NRC), from Linde Electronics and Specialty Gases, a Division of Linde Gas North America LLC., requesting amendment No. 02 to its existing license, XMAT415/01. The license presently authorizes the export of D<sub>2</sub> (deuterium gas) to industrial markets in the Republic of Korea for the non-nuclear end use of fiber optic cable manufacturing.

This license is amended to: 1) increase the quantity of materials shipped by 8,350 kilograms (kg) from 15,000 kg to a new cumulative total of 23,350 kg; 2) change the licensee's address; and 3) extend the date of expiration from December 31, 2016 to December 31, 2021.

Before taking action on this request, we would appreciate your views, in accordance with established procedures and from the overall perspective of the Executive Branch, as to whether the requested export meets the applicable criteria in the Atomic Energy Act of 1954, as amended.

Sincerely,

A handwritten signature in black ink, appearing to read "Peter J. Habighorst".

Peter J. Habighorst, Chief  
Export Controls and Nonproliferation Branch  
Office of International Programs

Enclosure:  
Application Dated 06/29/2016  
XMAT415/02 – Republic of Korea  
Docket Number 11005907

cc w/enclosure:

H. Rodriguez, NRC/NMSS  
S. Aguilar, NRC/NMSS  
S. Clagett, DOC  
O. Toigo, DHS/CBP

K. Strangis, DOE/NNSA  
R. Goorevich, DOE  
P. Dessaulles, DOE/NMSS  
J. Norles, DOE/NNSA

E. Border, DOE/NNSA  
E. Sauls, DTRA  
R. Bennette, DHS/CBP