

<b>NRC FORM 7</b> (3-2010) 10 CFR 110		<b>U.S. NUCLEAR REGULATORY COMMISSION</b> <b>APPROVED BY OMB: NO. 3150-0027</b> <b>EXPIRES: 08/31/2012</b> <small>Estimated burden per response to comply with this mandatory collection request: 2.4 hours. This submittal is reviewed to ensure that the applicable statutory, regulatory, and policy considerations are satisfied. Send comments regarding burden estimate to the Records and FOIA/Privacy Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0027), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.</small>	
<b>APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL</b> (See Instructions on Page 5)			
<b>PART A. FOR NRC USE ONLY</b>		<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	
LICENSE NUMBER <b>XMAT 423/01</b>		DOCKET NUMBER <b>11006029</b>	
DATE RECEIVED <b>JUL 16 2013 JC</b>		ADAMS ACCESSION NUMBER	
<b>PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR NOTIFICATIONS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)			
1. NAME AND ADDRESS OF APPLICANT/LICENSEE <b>LINDE ELECTRONICS AND SPECIALTY GASES, A DIVISION OF LINDE GAS NORTH AMERICA LLC.</b> <b>575 MOUNTAIN AVE</b> <b>MURRAY HILL NJ 07974</b>		1a. NAME OF APPLICANT'S CONTACT <b>REBECCA DABKOWSKI</b> 1c. PHONE NUMBER <b>(908) 329-9742</b> 1e. E-MAIL ADDRESS <b>REBECCA.DABKOWSKI@LINDE.COM</b>	
1b. APPLICANT'S REFERENCE NUMBER <b>423.1</b> 1d. FAX NUMBER <b>(908) 329-9740</b>		2. TYPE OF ACTION REQUESTED (Check One) <input type="checkbox"/> EXPORT (Parts B, C, E) <input type="checkbox"/> NOTIFICATION OF EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL (PART C, E) <input type="checkbox"/> IMPORT (Parts B, D, E) <input type="checkbox"/> COMBINED EXPORT/IMPORT (Parts B, C, D, E) <input checked="" type="checkbox"/> AMENDMENT/RENEWAL Existing License Number: <b>XMAT423</b>	
3. CONTRACT NUMBER(S)		4. FIRST SHIPMENT DATE <b>09/01/2012</b>	
5. LAST SHIPMENT DATE <b>12/31/2018</b>		6. PROPOSED EXPIRATION DATE <b>12/31/2018</b>	
<b>PART C. TO BE COMPLETED FOR EXPORT ONLY OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS</b> (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)			
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT <b>N/A</b>		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) <b>NO CHANGES</b>	
9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) <b>SEE ADDITIONAL INFORMATION</b>		10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT <b>2H2/D2, DEUTERIUM GAS, ISOTOPE OF HYDROGEN</b>	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED <b>N/A</b>		8a. INTERMEDIATE USE(S) <b>BLENDING MIXTURES</b>	
9a. ULTIMATE END USE(S) <b>FIBER OPTIC AND ANNEALING</b>		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG). OR TOTAL ACTIVITY (TBq) <b>1 MOLE= 0.004032 KG &amp; 5988 L/KG GAS (TOTAL VOL IN ADDL INFO)</b>	
10b. MAX ENRICHMENT OR WGT % <b>99.99%</b>		10c. MAX ISOTOPE WGT (KG) <b>N/A</b>	
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME) <div style="text-align: right;"> <b>JUL 16 2013 JC</b> </div>			

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U.S. NUCLEAR REGULATORY COMMISSION

# **APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (Continued)**

LICENSE NUMBER <b>XMAT 423/01</b>	DOCKET NUMBER <b>11006029</b>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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## **PART D. TO BE COMPLETED FOR IMPORT ONLY, OR COMBINED LICENSES, AMENDMENTS, OR RENEWALS** (If more space is needed to complete any of the items, use Pages 3-4 first, and then attach additional sheets, if necessary.)


12. NAME(S) / ADDRESS(ES) OF FOREIGN SUPPLIERS AND/OR OTHER PARTIES TO IMPORT	13. NAME(S) / ADDRESS(ES) OF INTERMEDIATE CONSIGNEE(S)	14. NAME(S) / ADDRESS(ES) OF ULTIMATE CONSIGNEE(S)	
12a. NRC EXPORT LICENSE NUMBER(S) (if applicable)	13a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	14a. LICENSE NUMBER(S) / EXPIRATION DATE(S)	
	13b. INTERMEDIATE USE(S)	14b. ULTIMATE END USE(S)	
15. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES	15a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq)	15b. MAX ENRICHMENT OR WGT %	15c. MAX ISOTOPE WGT (KG)

16. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)

## **PART E. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, OR RENEWALS**

17. ADDITIONAL INFORMATION PROVIDED ON PAGES 3, 4, AND/OR ON SEPARATE SHEETS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	17a. COPIES OF RECIPIENTS' AUTHORIZATIONS PROVIDED? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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**18. CERTIFICATION:** I, the applicant's authorized official, hereby certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information provided is correct to the best of my knowledge.

18a. PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL <b>REBECCA DABKOWSKI EXPORT COMPLIANCE MANAGER</b>	18b. SIGNATURE -- AUTHORIZED OFFICIAL 	18c. DATE <b>07/09/2013</b>
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**JUL 16 2013**  
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APPLICATION FOR NRC EXPORT/IMPORT  
LICENSE, AMENDMENT, OR RENEWAL (Continued)

LICENSE NUMBER <b>XMAI 423/01</b>	DOCKET NUMBER <b>11006029</b>	ADAMS ACCESSION NUMBER	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

REQUEST TO INCREASE VOLUME, EXTEND EXPIRATION DATE, AND CHANGE NAME FOR ONE END USER.

BLOCK 6 - PROPOSED EXPIRATION DATE: 12/31/2018

BLOCK 9 - NAME CHANGE:

CHANGE NAME TO MARIKA INNOVATION & TECHNOLOGY SRL FROM MICRON TECHNOLOGY ITALIA SRL, VIA PACINOTTI 7, 67051 AVEZZANO (AQ) IT

(Business License, VAT and Chamber of Commerce registry were provided to show that legal entity status has not changed, only the name has changed for this entity.)

BLOCK 10a - INCREASE VOLUME:

GLOBALFOUNDRIES IS BRINGING THEIR SECOND MODULE TO FULL CAPACITY AND WILL EXPECT TO USE 1 MILLION LITERS OF D2 GAS PER MONTH EFFECTIVE IMMEDIATELY.

TOTAL D2 GAS REQUESTED FOR ALL END USERS FOR NEXT 5 YEAR PERIOD IS INCREASED TO 70,000,000 LITERS NTP OR 10,461 KG.

JUL 16 2013  
JC