

NRC FORM 7 (3-2010) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION APPROVED BY OMB: NO. 3150-0027 EXPIRES: 08/31/2012 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.	
APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL (See Instructions on Page 5)			
PART A. FOR NRC USE ONLY	<input checked="" type="checkbox"/> PUBLIC OR <input type="checkbox"/> NON-PUBLIC	DATE RECEIVED <div style="font-size: 1.2em; font-weight: bold;">JUN 19 2012</div>	
LICENSE NUMBER <div style="font-family: monospace; font-size: 1.2em;">XMAT 423</div>	DOCKET NUMBER <div style="font-family: monospace; font-size: 1.2em;">11006029</div>	ADAMS ACCESSION NUMBER	
PART B. TO BE COMPLETED FOR ALL LICENSES, AMENDMENTS, RENEWALS OR NOTIFICATIONS (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 LINDE ELECTRONICS AND SPECIALTY GASES, A DIVISION OF LINDE GAS NORTH AMERICA LLC. 575 MOUNTAIN AVE MURRAY HILL NJ 07974		1a. NAME OF APPLICANT'S CONTACT REBECCA DABKOWSKI 1c. PHONE NUMBER (908) 329-9742 1e. E-MAIL ADDRESS REBECCA.DABKOWSKI@LINDE.COM	1b. APPLICANT'S REFERENCE NUMBER RDD0512 1d. FAX NUMBER (908) 329-9740
2. TYPE OF ACTION REQUESTED (Check One) <input checked="" 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 type="checkbox"/> AMENDMENT/RENEWAL Existing License Number: _____			
3. CONTRACT NUMBER(S)	4. FIRST SHIPMENT DATE 09/01/2012	5. LAST SHIPMENT DATE 12/31/2017	6. PROPOSED EXPIRATION DATE 12/31/2017
PART C. TO BE COMPLETED FOR EXPORT 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.)			
7. NAME(S) / ADDRESS(ES) OF SUPPLIERS AND/OR OTHER PARTIES TO THE EXPORT N/A		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) SEE ADDITIONAL INFORMATION	
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED N/A		8a. INTERMEDIATE USE(S) BLENDING MIXTURES	
9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) SEE ADDITIONAL INFORMATION		9a. ULTIMATE END USE(S) FIBER OPTIC AND ANNEALING	
10. DESCRIPTION OF RADIOACTIVE MATERIALS, SEALED SOURCES, NUCLEAR FACILITIES, EQUIPMENT, OR COMPONENTS; FOR NUCLEAR EQUIPMENT INCLUDE TOTAL DOLLAR VALUE OF EQUIPMENT FOR EXPORT 2H2/D2, DEUTERIUM GAS, ISOTOPE OF HYDROGEN		10a. MAX TOTAL VOLUME / ELEMENT WGT (KG), OR TOTAL ACTIVITY (TBq) 1 MOLE= 0.004032 KG & 5988 L/KG GAS (TOTAL VOL IN ADDL INFO)	10b. MAX ENRICHMENT OR WGT % 99.99%
10c. MAX ISOTOPE WGT (KG) N/A			
11. FOREIGN OBLIGATIONS (BY COUNTRY AND BY PERCENTAGE OF MAXIMUM TOTAL VOLUME)			

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

LICENSE NUMBER X MAT 423	DOCKET NUMBER 11006029	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 REBECCA DABKOWSKI EXPORT COMPLIANCE MANAGER	18b. SIGNATURE -- AUTHORIZED OFFICIAL <i>Rebecca Dabkowski</i>	18c. DATE 05/16/2012
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**APPLICATION FOR NRC EXPORT/IMPORT
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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

BLOCK 8a - INTERMEDIATES WILL PURCHASE FROM LINDE GAS NORTH AMERICA PURE DEUTERIUM FOR THE BLENDING OF FIBER OPTIC MIXTURES OR RESALE IN PURE FORM FOR USE IN ANNEALING OF ELECTRONIC COMPONENTS.

AGA A/S C.F. Tietgensvej 16 7000 Fredericia DK	AGA A/S Vermlandsgade 55 2300 Kobenhavn S DK	AIR LIQUIDE Electronics GmbH Bergener Ring 15 01458 Ottendorf-Okrilla DE	Linde AG, Geschäftsbereich Gas Spergauer Straße 1 06237 Leuna DE
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Sol S.p.A. Viale Libertà 247 20900 Monza(MB)IT	OMGroup Usine de la Rachée 91530 Saint Cheron FR	Linde Electronics GmbH & Co. KG Zugspitzstr. 3 82049 Pullach DE	Linde AG, Geschäftsbereich Gas Carl-von-Linde-Straße 25 85716 Unterschleißheim DE
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Linde Electronics SAS Europarc 4 place Berthe Morisot 69800 Saint Priest FR	Air Liquide France Industrie Parc d'activités Île Gabourd 185 chemin des Mariniers 38340 Voreppe FR
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BLOCK 9 - END USERS

GlobalFoundries Dresden Module One LLC & Co. KG Wilschdorfer Landstr. 101 D-01109 Dresden DE Volume 1,225,000 liters per year	GlobalFoundries Dresden Module Two LLC & Co. KG Wilschdorfer Landstr. 101 D-01109 Dresden DE Volume 165,000 liters per year	Micron Technology Italia SRL Via Pacinotti 7 67051 Avezzano (AQ) IT Volume 840,000 liters per year
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Altis Semiconductor 224 Boulevard John Kennedy 91105 Corbeil Essonnes FR Volume 15,000 liters per year	ST Microelectronics 850, Rue Jean Monnet 38926 Crolles Cedex FR Volume 525,000 liters per year	OFS Fitel Denmark ApS Priorparken 680 2605 Brøndby DK Volume: 45,000 liters per year
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BLOCK 9a - THE D2 OR D2 BLENDS ARE USED BY THE END USERS TO PROCESS FIBER OPTIC CABLE OR FOR ANNEALING OF ELECTRONIC COMPONENTS.

TOTAL D2 GAS REQUESTED FOR ALL END USERS FOR 5 YEAR PERIOD 15,000,000 LITERS NTP OR 2505 KG

rec'd
JUN 19 2012
JMS