

NRC FORM 7 (3-2010) 10 CFR 110		U.S. NUCLEAR REGULATORY COMMISSION		APPROVED BY OMB: NO. 3150-0027		EXPIRES: 08/31/2012	
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 OCT 05 2010			
LICENSE NUMBER XMAT 412		DOCKET NUMBER 11005876		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		1b. APPLICANT'S REFERENCE NUMBER RDC0610			
		1c. PHONE NUMBER (908) 329-9742		1d. FAX NUMBER (908) 329-9740			
		1e. E-MAIL ADDRESS REBECCA.DABKOWSKI@LINDE.COM					
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 09/01/2010		5. LAST SHIPMENT DATE 12/30/2015		6. PROPOSED EXPIRATION DATE 12/31/2015	
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 SEE ADDITIONAL INFORMATION		8. NAME(S) / ADDRESS(ES) OF INTERMEDIATE FOREIGN CONSIGNEE(S) SPECTRA CHINA FUHUA YILA ZHUOYUE DASHA ROOM 1606 SHENZHEN 518048 PRC		9. NAME(S) / ADDRESS(ES) OF ULTIMATE FOREIGN CONSIGNEE(S) SEE ADDITIONAL INFORMATION			
7a. FUNCTION(S) PERFORMED/SERVICE(S) PROVIDED FORWARDER/CARRIER		8a. INTERMEDIATE USE(S) BLENDED MIXTURES		9a. ULTIMATE END USE(S) FIBER OPTIC PROCESSING			
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)							

 Rec'd
 OCT 05 2010
 JC

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U.S. NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER <i>XMAT 412</i>	DOCKET NUMBER <i>11005876</i>	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 NORTH AMERICA	18b. SIGNATURE -- AUTHORIZED OFFICIAL <i>Rebecca Dabkowski</i>	18c. DATE 10/05/2010
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JC*

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ADDITIONAL INFORMATION (Reference applicable block numbers from page 1 and/or page 2 for each entry)

BLOCK 7 - FREIGHT FORWARDER/CARRIERS

KARR ELLIS & COMPANY, INC 1975 LINDEN BLVD, SUITE 205 ELMONT NY 11003 TEL: 347 632 1500 FAX: 516 285 4131	DISTRIBUTION BY AIR 701 COTTONTAIL ROAD SOMERSET NJ 08873 TEL: 888 573 3030 FAX: 732 764 6860	BDP INTERNATIONAL INC 510 WALNUT STREET PHILADELPHIA PA 19106 TEL: 215 629 7500 FAX: 215 629 8921	PANALPINA INC 1000-B CASTLE RD SECAUCUS NJ 07094 TEL: 201 272 2300 FAX: 201 210 9709
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BLOCK 8a - SPECTRA CHINA IS A WIFE OF LINDE GAS NORTH AMERICA LLC. THEY WILL PURCHASE FROM LINDE GAS NORTH AMERICA DEUTERIUM AND DEUTERIUM BLENDS IN NITROGEN FOR RESALE TO THE FIBER OPTIC MARKET.

BLOCK 9 - END USERS

CORNING SHANGHAI FIBER OPTICS CO LTD NO 1088 QIN JIANG RD SHANGHAI 200233 CHINA	TOTAL ANNUAL D2 REQUIRED 1,500,000 LITERS TOTAL ANNUAL D2 REQUIRED 250.50 KG
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HONG KONG OXYGEN AND ACETYLENE CO LTD 18 DAI SHING STREET, TAI PO INDUSTRIAL ESTATE KOWLOON HONG KONG	TOTAL ANNUAL D2 REQUIRED 50,000 LITERS TOTAL ANNUAL D2 REQUIRED 8.35 KG
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TRANSTECH OPTICAL COMMUNICATION CO LTD 3 DAI KWAI STREET, TAI PO INDUSTRIAL ESTATE HONG KONG	TOTAL ANNUAL D2 REQUIRED 50,000 LITERS TOTAL ANNUAL D2 REQUIRED 8.35 KG
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SAMSUNG ELECTRONICS HAINAN FIBEROPTICS (SEHF), HAIKOU FREE TRADE ZONE NANHAI AVENUE 168, HAIKOU CITY HAINAN CHINA	TOTAL ANNUAL D2 REQUIRED 75,000 LITERS TOTAL ANNUAL D2 REQUIRED 12.53 KG
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BLOCK 9a - ALL END USERS ARE USING THE MIXTURES TO TO PROCESS FIBER OPTIC CABLE WHICH DISPLACES ANY MOISTURE AND INCREASES BANDWITH IN THE CABLE. TOTAL D2 REQUIRED/YEAR = 1,675,000 LT OR 279.73 KG. TOTAL REQUESTED FOR LICENSE PERIOD OF 5 YRS = 8,375,000 LT OR 1398.65 KG.

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OCT 05 2010
JC