

NRC FORM 7  
(3-2010)  
10 CFR 110

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: 150-0027

EXPIRES: 08/31/2012

# APPLICATION FOR NRC EXPORT/IMPORT LICENSE, AMENDMENT, OR RENEWAL

(See Instructions on Page 5)

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](mailto: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.

## PART A. FOR NRC USE ONLY

☒ PUBLIC OR ☐ NON-PUBLIC

DATE RECEIVED

JUL 28 2010

LICENSE NUMBER

X MAT 413

DOCKET NUMBER

11005817

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

RDI0610

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)

☒ EXPORT (Parts B, C, E) ☐ NOTIFICATION OF EXPORT OF INCIDENTAL RADIOACTIVE MATERIAL (PART C, E) ☐ IMPORT (Parts B, D, E) ☐ COMBINED EXPORT/IMPORT (Parts B, C, D, E) ☐ 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)

BOC INDIA LIMITED  
OXYGEN HOUSE P43  
TARATALA RD  
KOLKATA 700088 II

BOC INDIA LIMITED  
TALOJA NEW SGC  
MIDC INDUSTRIAL AREA  
NAVI MUMBAI 410208 II

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)

BLENDING 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)

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X MAT 413

JC



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NUCLEAR REGULATORY COMMISSION

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

LICENSE NUMBER <b>XMAT413</b>	DOCKET NUMBER <b>11005877</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	
<b>18. CERTIFICATION:</b> 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 ASSISTANT CUSTOMER SERVICE MANAGER NORTH AMERICA COMPLIANCE</b>	18b. SIGNATURE -- AUTHORIZED OFFICIAL <i>Rebecca Dabkowski</i>	18c. DATE <b>06/04/2010</b>

**XMAT413**

**Rec'd  
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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

PANALPINA INC  
1000-B CASTLE RD  
SECAUCUS NJ 07094  
TEL: 201 272 2300  
FAX: 201 210 9709

BDP INTERNATIONAL INC  
510 WALNUT STREET  
PHILADELPHIA PA 19106  
TEL: 215 629 7500  
FAX: 215 629 8921

BLOCK 8a - BOC INDIA IS A LINDE GROUP COMPANY. THEY WILL PURCHASE FROM LINDE GAS NORTH AMERICA PURE DEUTERIUM FOR THE BLENDING OF FIBER OPTIC MIXTURES TO SELL TO THE NAMED END USERS.

## BLOCK 9 - END USERS

STERLITE INDUSTRIES  
E1,E2,E3 MIDC, WALUJ,  
AURANGABAD- 431136  
MAHARASHTRA, INDIA

4% D2/N2 500 CYLINDERS @ 6000 LITERS PER CYLINDER  
TOTAL ANNUAL D2 REQUIRED 120,000 LITERS - VALUE **[REDACTED]**  
TOTAL ANNUAL D2 REQUIRED 20.05 KG

FINOLEX INDUSTRIES  
PT NO 343/344,  
VILLAGE URSE, TALUKA  
MAVAL,DIST PUNE, INDIA

3% D2/N2 60 CYLINDERS @ 6000 LITERS PER CYLINDER  
TOTAL ANNUAL D2 REQUIRED 10,800 LITERS - VALUE **[REDACTED]**  
TOTAL ANNUAL D2 REQUIRED 1.81 KG

UNIVERSAL OPTIC FIBRE  
PLOT NO L62-64  
VERNA INDUSTRIAL ESTATE  
VERNA, SANCETTE  
GOA - 403722, INDIA

3% D2/N2 75 CYLINDERS @ 6000 LITERS PER CYLINDER  
TOTAL ANNUAL D2 REQUIRED 13,500 LITERS - VALUE **[REDACTED]**  
TOTAL ANNUAL D2 REQUIRED 2.25 KG

AKASH OPRIFIBRE LTD  
J-1/1, B-1 EXTENSION  
MOHAN CO-OPERATIVE  
INDUSTRIAL ESTATE  
MATHURA ROAD  
NEW DELHI - 110 044 INDIA

20% D2/N2 10 CYLINDERS @ 6000 LITERS PER CYLINDER  
TOTAL ANNUAL D2 REQUIRED 12,000 LITERS - VALUE **[REDACTED]**  
TOTAL ANNUAL D2 REQUIRED 2.01 KG

BLOCK 9a - ALL END USERS ARE USING THE MIXTURES TO TO PROCESS FIBER OPTIC CABLE WHICH REPLACES ANY MOISTURE AND INCREASES BANDWITH IN THE CABLE.

TOTAL D2 GAS REQUESTED FOR ALL END USERS FOR 5 YEAR PERIOD 800,000 LITERS NTP OR 133.61 KG

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