

APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See Instructions on Reverse)

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1. APPLICANT'S USE		a. DATE OF APPLICATION 2/6/81		b. APPLICANT'S REFERENCE Contract # 81303		2. NRC USE		a. LICENSE NO. X MAT 0168		b. DOCKET NO. 1100 2370			
3. APPLICANT'S NAME AND ADDRESS a. NAME SHOWA DENKO AMERICA, INC. b. STREET ADDRESS 200 Park Avenue suite 2309 c. CITY New York STATE N.Y. ZIP CODE 10166 d. TELEPHONE NUMBER (Area Code - Number - Extension) (212) 687-0773						4. SUPPLIER'S NAME AND ADDRESS RIS a. NAME Union Carbide Corporation, Linde Division b. STREET ADDRESS P.O. Box 444, 100 Davidson Avenue c. CITY Somerset, New Jersey STATE N.J. ZIP CODE 08873							
5. FIRST SHIPMENT SCHEDULED end of February, 1981		6. FINAL SHIPMENT SCHEDULED end of February, 1981		7. APPLICANT'S CONTRACTUAL DELIVERY DATE end of February, 1981		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)					
10. ULTIMATE CONSIGNEE a. NAME SHOWA DENKO K.K. b. STREET ADDRESS 13-9 Shiba Daimon 1-chome c. CITY - STATE - COUNTRY Minato-Ku, Tokyo 105 Japan						11. ULTIMATE END USE (Include plant or facility name) 1) Laser Communications 2) Chemical tracer and biological tracer fields. Please see item # 25 11a. EST. DATE OF FIRST USE							
12. INTERMEDIATE CONSIGNEE a. NAME See Item # 25 b. STREET ADDRESS c. CITY - STATE - COUNTRY						13. INTERMEDIATE END USE UNKNOWN OR NONE 13a. EST. DATE OF FIRST USE							
14. INTERMEDIATE CONSIGNEE a. NAME See Item # 25 b. STREET ADDRESS c. CITY - STATE - COUNTRY						15. INTERMEDIATE END USE UNKNOWN OR NONE 15a. EST. DATE OF FIRST USE							
16. NRC USE		17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components) Deuterium : 99.5% Min. N <sub>2</sub> : 30 PPM Max. H <sub>2</sub> O : 5 PPM Max. Tritium : 0.005 Max. (Microcuries/ml) O <sub>2</sub> : 2 PPM Max. Hydrogen Deutride : 0.3% Max.  To be shipped in 4 cylinders DOT Approved. (3A) service pressure 2015				18. MAX. ELEMENT WEIGHT 20,000 Liters Total Value \$13,000.00		19. MAX. WT. ?		20. MAX. ISOTOPE WT.		21. UNIT	
22. COUNTRY OF ORIGIN - SOURCE MATERIAL United States				23. COUNTRY OF ORIGIN-SNM WHERE ENRICHED OR PRODUCED				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)					
25. ADDITIONAL INFORMATION (Use separate sheet if necessary) To be resold to: Electric Communications Institute, Ibaragi, Japan Tokyo University, Kyoto University, Tohoku University, Toshiba Electric Company - all located in Japan.													
26. The applicant certifies that this application is prepared in conformity with Title 10, Code of Federal Regulations, and that all information in this application is correct to the best of his/her knowledge.													
27. AUTHORIZED OFFICIAL				a. SIGNATURE K. Ibuki				b. TITLE K. Ibuki Export Control Coordinator					



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