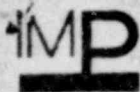


APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT (See Instructions on Reverse)

1. APPLICANT'S USE		a. DATE OF APPLICATION June 16, 1981		b. APPLICANT'S REFERENCE 104-44857		2. NRC USE		a. DOCKET NO. 11002523		b. LICENSE NO. XMAT0189			
3. APPLICANT'S NAME AND ADDRESS						4. SUPPLIER'S NAME AND ADDRESS							
a. NAME Matheson Gas Products						a. NAME Cryogenic Rare Gas Laboratories Inc.							
b. STREET ADDRESS 1920 West Fairmont Parkway						b. STREET ADDRESS 730 South Thirteenth Street							
c. CITY La Porte			STATE Texas		ZIP CODE 77571		c. CITY Newark			STATE N.J.			
d. TELEPHONE NUMBER (Area Code - Number - Extension) (713) 471-2544			Faye Edwards			c. CITY Newark			STATE N.J.		ZIP CODE 07103		
5. FIRST SHIPMENT SCHEDULED		6. FINAL SHIPMENT SCHEDULED		7. APPLICANT'S CONTRACTUAL DELIVERY DATE Immediate Delivery ex-stock		8. PROPOSED LICENSE EXPIRATION DATE		9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known)					
10. ULTIMATE CONSIGNEE						11. ULTIMATE END USE							
a. NAME Instituto Mexicana Del Petroleo						In the study of Hydrogen for metallic Hydride. Parameters to determine the absorptive capacity of these parts for the 2 stable isotopes of the Hydrogen, the same Hyd., & the Deuterium							
b. STREET ADDRESS Av. Cien Metros No.152						11a. EST. DATE OF FIRST USE (SEE ATTACHED LETTER)							
c. CITY - STATE - COUNTRY Mexico 14, D.F. Mexico						12. INTERMEDIATE CONSIGNEE							
a. NAME J.T. Baker S.A. De C.V.						13. INTERMEDIATE END USE							
b. STREET ADDRESS Plomo 2 Fracc. Ind. Esf. Nal. Xalostoc						RECEIVED U.S. NRC 1981 JUN 19 AM 8 35							
c. CITY - STATE - COUNTRY Edo de Mexico, Mexico 14, D.F.						13a. EST. DATE OF FIRST USE							
14. INTERMEDIATE CONSIGNEE						15. INTERMEDIATE END USE							
a. NAME Hinojosa Forwarding Service Inc.						INTERNAT'L SFGRODS							
b. STREET ADDRESS 3541 E. 14th Street, Suite E						15a. EST. DATE OF FIRST USE							
c. CITY - STATE - COUNTRY Brownsville, Texas													
16. NRC USE		17. DESCRIPTION (Include chemical and physical form of nuclear material; give dollar value of nuclear equipment and components)				18. MAX. ELEMENT WEIGHT		19. MAX. WT. %		20. MAX ISOTOPE WT.		21. UNIT	
		100 Liters Deuterium, Chemically Pure (90 grams) (1) Sire #4 Cyl. containing 100 liters Unit Price \$180.38				N/A		N/A		N/A			
22. COUNTRY OF ORIGIN - SOURCE MATERIAL U.S.A.				23. COUNTRY OF ORIGIN - ENRICHMENT WHERE ENRICHED OR PRODUCED U.S.A.				24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known)					
25. ADDITIONAL INFORMATION (Use separate sheet if necessary) We have been advised by the supplier that the Deuterium is certified as not having been withdrawn from the Naval Petroleum Reserve.													
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 <i>[Signature]</i>			b. TITLE Export Manager				



Mayo 15, de 1981.

J.T. BAKER, S.A. de C.V.
Plomo 2 Xalostoc
México.

J. J. Rouso

Con relación a nuestro pedido 3852 referente a la -
partida 3, cilindro y carga de deuterio, CP tamaño 4 conte-
nido 100 litros, número de catálogo V-251-80, y atendiendo
a su solicitud referente al uso de este material me permito
comunicarle lo siguiente.

En el estudio de almacenamiento de hidrógeno por hi-
druros metálicos que se realiza en esta División, uno de -
los parámetros importantes para determinar es la capacidad
adsortiva de estos compuestos por los dos isótopos estables
del hidrógeno, el hidrógeno mismo y el deuterio.

Sin otro particular quedo de usted

A t e n t a m e n t e .

DR. MANUEL I. GUERRERO
Jefe de la División de Procesos
Energéticos Alternos, I.B.P.

c.c.p.: Ing. José Antonio Vidales.- Jefe de la División de Recursos -
Materiales.

Sra. Estela Tort M.- Jefe del Depto. Admvo. de I.B.P.

MIG/esv.