



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Document
Control

AUG 10 1979

Mr. Gerard Helfrich
Office of Program Implementation
Bureau of Oceans and International
Environmental and Scientific Affairs
U.S. Department of State
Washington, D.C. 20520

Dear Mr. Helfrich:

Enclosed please find an application from General Atomic Company for a license to export to the Republic of Korea replacements and components for the Wolsung I power plant and the KORR I and II research reactors. Mr. Mowry notes in his letter that parts destined for Wolsung I will be shipped directly to South Korea without shipment through Canada. He informed NRC, however, that the original CANDU instrumentation system supplied by General Atomic for Wolsung I was exported via Canada. The parts requested in this application and contracted through the Atomic Energy of Canada, Ltd. will be used in this instrumentation system to replace parts that are damaged during plant start up and early operation of Wolsung I.

Before taking action on this license application, we would appreciate your views, in accordance with established procedures and from the overall perspective of the Executive Branch, as to whether the issuance of the requested license would be inimical to the interests of the United States, including the common defense and security, and whether the proposed export meets the applicable criteria in the Atomic Energy Act as amended by the Nuclear Nonproliferation Act of 1978.

Sincerely,

Marvin R. Peterson, Acting Assistant
Director

Export/Import and International Safeguards
Office of International Programs

Enclosure:
Appl. dtd 8/1/79 (XCOM0288)

cc w/enclosure:
Mr. Holsey G. Handyside, DOE
Mr. Richard L. Williamson, ACDA/NP/NS
Ms. Sheila Buckley, DOD
Mr. Duane Sewell, DOE
Mr. Kent Knowles, DOC
Mr. Robin DeLaBarre, DOS

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GENERAL ATOMIC

RECEIVED
U.S. NRC

GENERAL ATOMIC COMPANY
P.O. BOX 81608
SAN DIEGO, CALIFORNIA 92138
(714) 455-3000

1979 AUG 6 AM 11:08

August 1, 1979

Refer To: IEL-1091

EXPORT/IMPORT
AND
INTERNAT'L SFGDRS

Mr. Marvin Peterson
Acting Assistant Director
Export/Import & International Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Nuclear Component Export License; Korea.

Dear Mr. Peterson:

General Atomic Company makes application pursuant to 10 CFR 110 for component export license authorizing the shipment of nuclear components to Korea.

General Atomic Company is manufacturer of the TRIGA research reactor system and nuclear instrumentation system used for monitoring and control of other power reactors such as the CANDU and certain PWR's. Such reactor instrumentation systems require occasional part replacements.

General Atomic has supplied two TRIGA research reactor systems (KORR-I & II) to the Korea Atomic Energy Research Institute. We have also supplied certain nuclear instrumentation systems for the CANDU power reactor at Wolsung via AECL, Canada. This request relates to export of replacement components for use in these facilities.

General Atomic anticipates the export of components, with a value of ~ \$150,000, in the next three years. We have current orders for an uncompensated Ion chamber with extension housing, and a grapple tool specifically prepared for TRIGA reactors. We expect also to send directly certain repair and replacement components to the Wolsung reactor during its startup and operation. Additional details supporting the license are contained on the attached NRC-7 Form.

We look forward to your early issuance of the requested component export license.

It is our understanding that Korea is signator of the NPT and has given the U.S. Government assurances that components and materials exported for these facilities will not be retransferred or used in a nuclear weapons program.

Very truly yours,

William R Mowry

921269

William R. Mowry
Licensing Administrator
Nuclear Materials Control Division

WRM:hcs
Attachment: NRC Form-7

Dup

7909070005

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

| | | | | | | | | | | | |
|---|--|---|--|--|--|---|--|--|----------------------|---------------------------|--|
| 1. APPLICANT'S USE | | a. DATE OF APPLICATION 8/1/79 | | b. APPLICANT'S REFERENCE IEL-1089 | | 2. NRC USE | | c. LICENSE NO. X6mo288 | | d. DOCKET NO. 11500745 | |
| 3. APPLICANT'S NAME AND ADDRESS a. NAME GENERAL ATOMIC COMPANY Attn: William R. Mowry b. STREET ADDRESS P.O. Box 81608 c. CITY San Diego STATE CA ZIP CODE 92138 d. TELEPHONE NUMBER (Area Code - Number - Extension) | | | | | | 4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material) a. NAME b. STREET ADDRESS c. CITY STATE ZIP CODE | | | | | |
| 5. FIRST SHIPMENT SCHEDULED 10/15/79 | | 6. FINAL SHIPMENT SCHEDULED Unscheduled | | 7. APPLICANT'S CONTRACTUAL DELIVERY DATE 11/16/79 | | 8. PROPOSED LICENSE EXPIRATION DATE 12/1/81 | | 9. U.S. DEPARTMENT OF ENERGY CONTRACT NO. (If Known) | | | |
| 10. ULTIMATE CONSIGNEE a. NAME Korea Atomic Energy Research Institute b. STREET ADDRESS P.O. Box 7, Cheong Ryang c. CITY - STATE - COUNTRY Seoul, Republic of Korea | | | | | | 11. ULTIMATE END USE (Include plant or facility name) Replacement parts for TRIGA reactors at KORR I & II (KORR I - 2 Mw(th); KORR II - 250 Mw(th)) 11a. EST. DATE OF FIRST USE upon receipt | | | | | |
| 12. ULTIMATE CONSIGNEE a. NAME Korea Electric Co. b. STREET ADDRESS Naah-Ri, Yangnam Myon P.O. Box 7, Cheong Ryang c. CITY - STATE - COUNTRY Seoul, Republic of Korea | | | | | | 13. INTERMEDIATE END USE ULTIMATE END USE Replacement parts for the CANDU Instrumentation for the Wolsung I Power Plant - 629 Mw(e) 13a. EST. DATE OF FIRST USE upon receipt | | | | | |
| 14. INTERMEDIATE CONSIGNEE a. NAME b. STREET ADDRESS c. CITY - STATE - COUNTRY | | | | | | 15. INTERMEDIATE END USE 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) | | | | 18. MAX. ELEMENT WEIGHT | | 19. MAX. WT. % | 20. MAX. ISOTOPE WT. | 21. UNIT | |
| | | 10 CFR 110 Appendix A parts and components as follows: Nuclear reactor specifically designed parts and components, more specifically, the replacement parts and components are described in sub-categories (a)(3)(8)(9) & (10). Typical examples are control rod elements, control rod drives or parts thereof, Ion chambers, electronic amplifiers and preamplifiers, etc. used in monitoring reactor power level. Value - \$150,000 | | | | | | | | | |
| 22. COUNTRY OF ORIGIN - SOURCE MATERIAL | | | | 23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED | | | | 24. COUNTRIES WHICH ATTACH SAFEGUARDS (If Known) | | | |
| 25. ADDITIONAL INFORMATION (Use separate sheet if necessary) <p style="text-align: right;">Dup 921270 7909070006</p> | | | | | | | | | | | |
| 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 William R. Mowry | | | | b. TITLE Licensing Administrator | | | | | |

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INTERNATIONAL SAFEGUARDS