



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

March 29, 2000

Mr. Robin DeLaBarre  
Non-Proliferation/Nuclear Energy Affairs (NP/NEA)  
Department of State  
Washington, DC 20520

Dear Mr. DeLaBarre:

Enclosed is an application for a license (XSNM03141), recently received by the Nuclear Regulatory Commission, for the export of low-enriched uranium to Japan for use as reload fuel in Takahama Unit 1. Assurances from Japan are required that the material will be subject to all of the terms and conditions of an agreement for cooperation. Your assistance in obtaining the necessary assurances will be appreciated.

Sincerely,

Ronald D. Hauber, Deputy Director  
Office of International Programs

Enclosure: Appl. Dtd. 3/16/00  
(XSNM03141 - Japan)

cc w/enclosure: M. Krupa, DOE  
A. Welichozkiy, DOE  
W. Witter, DOD  
S. Clagett, DOC

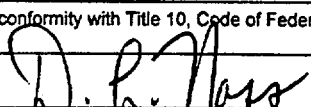
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# APPLICATION FOR LICENSE TO EXPORT NUCLEAR MATERIAL AND EQUIPMENT

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 1.7 HOURS. THIS MANDATORY SUBMITTAL IS REVIEWED TO ENSURE THAT THE APPLICABLE STATUTORY, REGULATORY, AND POLICY CONSIDERATIONS ARE SATISFIED. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (T-6-F33), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, D.C. 20555-0001, AND THE PAPERWORK REDUCTION PROJECT (3150-0027), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

(SEE INSTRUCTIONS ON REVERSE)

1. APPLICANT'S USE	a. DATE OF APPLICATION March 16, 2000	b. APPLICANT'S REFERENCE	2. NRC USE	a. DOCKET NUMBER 11005197	b. LICENSE NO. XSNM03141
3. APPLICANT'S NAME AND ADDRESS		RIS			RIS
a. NAME Siemens Power Corporation			4. SUPPLIER'S NAME AND ADDRESS (Complete if applicant is not supplier of material)		
b. STREET ADDRESS (Facility Site) 2101 Horn Rapids Road			a. NAME		
c. CITY Richland	d. STATE WA	e. ZIP CODE 99352	b. STREET ADDRESS		
f. TELEPHONE NUMBER (Area Code - Number - Extension) 509-375-8380			c. CITY	d. STATE	e. ZIP CODE
5. FIRST SHIPMENT SCHEDULED July 2000	6. FINAL SHIPMENT SCHEDULED September 2000	7. APPLICANT'S CONTRACTUAL DELIVERY DATE	8. PROPOSED LICENSE EXPIRATION DATE September 30, 2001	9. U.S. DEP. OF ENERGY CONTRACT NO. (If known)	
10. ULTIMATE FOREIGN CONSIGNEE		RIS		11. ULTIMATE END USE (Include plant or facility name)	
a. NAME Kansai Electric Power Co., Inc. Takahama Station, Unit 1				USE CODE	
b. STREET ADDRESS (Facility Site) 1 Tanoura, Takahama-cho				Reload 23 fuel for Takahama Unit 1	
c. CITY Ohi-gun, Fukui-ken	d. COUNTRY Japan			11a. DATE REQUIRED :	
12. INTERMEDIATE FOREIGN CONSIGNEE		RIS		13. INTERMEDIATE END USE	
a. NAME See Attached				RIS	
b. STREET ADDRESS				Fuel Fabrication	
c. CITY	d. COUNTRY			13a. DATE REQUIRED	
14. INTERMEDIATE FOREIGN CONSIGNEE		RIS		15. INTERMEDIATE END USE	
a. NAME				RIS	
b. STREET ADDRESS				15a. DATE REQUIRED	
c. CITY	d. COUNTRY				
16. COM CODE	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 WEIGHT	21. UNIT
	Enriched Uranium Dioxide (UO <sub>2</sub> ) Powder for Reload 23 for Takahama Unit 1	11,633	4.05	456	Kgs
22. COUNTRY OF ORIGIN SOURCE MATERIAL U.K.		23. COUNTRY OF ORIGIN - SNM WHERE ENRICHED OR PRODUCED U.S.		24. COUNTRIES WHICH ATTACH SAFEGUARDS (If known)	
25. ADDITIONAL INFORMATION ON CONSIGNEES, END USERS, AND PRODUCT DESCRIPTION (Use separate sheet if necessary)					
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 		b. TITLE Senior Scientist	

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	Box #12 Intermediate Foreign Consignee
1.	Nuclear Fuel Industries, Ltd. Tokai Works 3135-41 Muramatsu, Tokai-mura, Naka-gun Ibaraki-ken Japan
2.	Nuclear Fuel Industries, Ltd. Kumatori Works 950 Ohaza-Noda, Kumatori-cho, Sennan-gun Osaka Japan

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# SIEMENS

March 16, 2000  
DLN:00:029

U.S. Nuclear Regulatory Commission  
Attn: Mr. Ronald D. Hauber, Assistant Director  
Exports, Security, and Safety Cooperation  
Office of International Programs  
Mail Stop 3H-5  
Washington, DC 20555

Dear Mr. Hauber:

Enclosed is a request for issuance of an export license to authorize the shipment of enriched uranium to Nuclear Fuel Industries, Ltd. in Japan for fabrication into finished fuel. The end user is Takahama Unit 1, owned by Kansai Electric Power Company.

A check for \$1,700 is enclosed.

If you have any questions, please contact me at (509) 375-8380.

Very truly yours,



D. L. Noss  
Senior Scientist, Safeguards

**Siemens Power Corporation**

2101 Horn Rapids Road  
Richland, WA 99352

Tel: (509) 375-8100  
Fax: (509) 375-8402

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

March 28, 2000

MEMORANDUM TO: Ronald D. Hauber, Director  
Division of Nonproliferation,  
Exports and Multilateral Relations  
Office of International Programs

FROM: Eric J. Leeds, Acting Chief  
Licensing and International  
Safeguards Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

SUBJECT: XSNM-2611, EXPORT OF HIGH-ENRICHED URANIUM METAL  
(CATEGORY I) TO THE NETHERLANDS VIA FRANCE

We have reviewed the subject export application and provide the following international safeguards and foreign physical protection information for your consideration. This case involves the export of high-enriched uranium metal (Category I) to France for fabrication at CERCA Romans and ultimate use as fuel in the HFR research reactor in Petten, the Netherlands.

International Safeguards

France is a nuclear weapons state and therefore not subject to full-scope IAEA safeguards requirements for the purpose of this case. France has submitted some of its nuclear facilities to IAEA safeguards under its "Voluntary Offer" agreement; however, CERCA Romans is not currently subject to routine IAEA safeguards inspections.

The Netherlands is a party to the Non-Proliferation Treaty and, as such, accepts IAEA safeguards on all source and special nuclear material in its nuclear activities. IAEA/EURATOM safeguards are also applied to nuclear material and facilities in this country. The latest IAEA Annual Report shows that an IAEA Facility Attachment has been negotiated and is in force for the HFR research reactor in Petten.

We note that the IAEA Safeguards Implementation Report for 1998 states that, with the exception of the DPRK situation, "...the Secretariat did not find any indication that nuclear material which had been declared and placed under safeguards had been diverted for any military purpose or for purposes unknown, or that facilities, equipment or non-nuclear material placed under safeguards were being misused. All the information available to the Agency supports the conclusion that the nuclear material and other items placed under safeguards remained in peaceful nuclear activities or were otherwise adequately accounted for."

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Physical Protection

Evaluations were performed during visits to the Netherlands in May 1998 and France in October 1998. The conclusion of these reviews was that the physical protection programs in both countries were consistent with the then-current version of INFCIRC/225 (i.e., Rev. 3). Staff has reviewed subsequent information received to date, and has determined that there is no indication that the physical protection programs have degraded in these countries. In addition, staff has determined, on the basis of currently available information, that physical protection measures to protect against proliferation of nuclear weapons are in conformance with the current version of INFCIRC/225 (i.e., Rev.4).

In accordance with 10 CFR 73.26, the licensee must submit a specific security plan to NRC prior to shipping.

The following physical protection condition should be included as part of the export license in the subject case:

"The material to be exported under this license shall either be protected in transit, while within U.S. jurisdiction, in accordance with the requirements of 10 CFR Part 73 and the licensee's approved security plan or shall be protected in transit, while within U.S. jurisdiction, by the Department of Energy (DOE) Safe Secure Transport (SST) system in accordance with the DOE requirements and directives for the transport of such material."

We request that, prior to your approval of the subject application, you confirm with DOE that the regulations in 10 CFR 110.42 (a)(9)(i) and (ii) have been met.

March 28, 2000

Ronald D. Hauber, Director

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