

Document
Control



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

AUG 10 1979

Mr. Gerard Helfrich, Director
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 Mitsubishi International Corporation for a license to export 17,578 kilograms uranium enriched to 2.25% uranium-235 for use as reload fuel for the Mihama Unit 1 reactor in Japan.

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,

A handwritten signature in black ink, appearing to read "Marvin R. Peterson".

Marvin R. Peterson, Acting
Assistant Director
Export/Import and International
Safeguards
Office of International Programs

Enclosure:
Application dtd 7/31/79
(XSNM015FC)

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

927 302

7909070528



RECEIVED
MITSUBISHI INTERNATIONAL CORPORATION

277 PARK AVENUE
NEW YORK, N. Y. 10017

1979 AUG 6 PM 1 27

EXPORT/IMPORT
INTERNATIONAL SAFEGUARDS

OUR REF. NO. HSA-5479-06
DATE July 31st, 1979

U.S. Nuclear Regulatory Commission
Export/Import and International Safeguards
Office of International Programs
Washington D.C., 20555

Gentlemen:

Re: Application for License to Export
Enriched UF6 for Kansai Mihama
Nuclear Power Plant Unit No.1

Enclosed please find our application in triplicate for the export license for slightly enriched UF6 to be used for the fabrication of fuel assemblies, which are to be loaded to Region No.6 of Mihama Nuclear Power Plant Unit No. 1 owned by the Kansai Electric Power Co., Inc.

The contract number for the Uranium Enriching Services with U.S. Department of Energy is E(49-14) UES/JA/OOL.

Supplier of the feed material for enrichment is COMURHEX (France), BNFL (U.K.), Eldorado (Canada) and/or Allied Chemical (U.S.A.).

The relevant enriched UF6 will be delivered by Union Carbide Corporation at U.S. DOE Oak Ridge Enrichment Plant, in September 1979 and after being imported to Japan, it is to be converted to UO2 powder, pelletized and fabricated into fuel assemblies by Mitsubishi Nuclear Fuel Co., Ltd.

As validity of the export license, we wish to have two years period from the date of license.

The following are some additional informations regarding the fuel for Mihama Nuclear Power Plant Unit No.1.

1. Quantity and enrichment of uranium needed in one core (initial core):

Region	U-Quantity kgs.U	Enrichment
No. 1	13,650	2.29%
No. 2	12,985	3.04%
No. 3	12,842	3.40%

- To be continued -

Dupe

927 303 7908310520

- 2 -

2. Quantity and enrichment of uranium needed for a reload:

<u>Region</u>	<u>U-Quantity</u> kgs.U	<u>Enrichment</u>
No. 4 and onward	13,430	2.20%

3. Quantity and enrichment of uranium already imported to Japan from U.S.A.

<u>Region</u>	<u>U-Quantity</u> (kgs. U)	<u>Enrichment</u> (w/o)	<u>Date of Import</u>	<u>Date of Loading</u>
No.1	13,650	2.29	Sept., 1969	July, 1970
No.2	12,985	3.04	"	"
No.3	12,842	3.40	"	"
Spare	643	3.40	"	June, 1973
No.4A	3,224	3.40	Nov., 1971	"
No.4B	10,543	3.39	Jan., 1972	"
No.4C	667	1.94	May, 1973	"
No.5	12,924	3.20	Dec., 1973	May, 1974

4. Quantity and enrichment of uranium subject to this application for export license.

(Please note that some reasonable allowance permitted by the Toll Enrichment Contract with DOE is considered in our application, while the following figures are those scheduled.)

<u>Region</u>	<u>U-Quantity</u> kgs.U	<u>Enrichment</u>	<u>Scheduled Time OF IMPORT</u>	<u>Scheduled Time of Loading</u>
No.6	17,490	2.20%	October, 1979	May, 1981

5. Quantity of Uranium already discharged:

<u>U-Quantity</u> (kgs.U)	<u>Date of Discharge</u>
13,357	Nov., 1971
948	Apr., 1972
2,208	Mar., 1973

6. Interval of reloading.

about one year

MITSUBISHI INTERNATIONAL CORPORATION

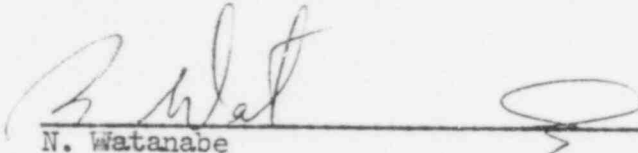
U.S. Nuclear Regulatory Commission

- 3 -

Thank you very much for your attention to the above, and should you have any further questions, please call us at (212)922-3778.

Very truly yours,

MITSUBISHI INTERNATIONAL CORPORATION



N. Watanabe
Non Ferrous Metal Division

cc: Mr. H.J. McAlduff, Jr. Chief
U.S. Department of Energy
Oak Ridge Operation
P.O. Box "E", Oak Ridge, Tenn.
37830

Embassy of Japan
2520 Massachusetts Ave. N.W.
Washington D.C., 20008

Mr. Okano
Mitsubishi International Corporation
Washington Representative
Washington D.C.,

Mitsubishi Corporation
HS-B Section
Tokyo, Japan

927 305

THE KANSAI ELECTRIC POWER CO., INC.

(KANSAI DENRYOKU KABUSHIKI KAISHA)

3-22 NAKANOSHIMA 3-CHOME, KITA-KU
OSAKA, JAPAN

CABLE ADDRESS
"KANSAIPOWER OSAKA"
TELEX
"5248320 KANDEN J"

July 31, 1979

End Use Statement

We hereby certify that the Enriched UF₆ mentioned in the attached Export License Application (HSA-5479-06 dated July 31, 1979) will be used for the fabrication of fuel assemblies for Region No.6 of our Mihama Nuclear Power Plant Unit No.1 located at Mihama-cho, Mikata-gun, Fukui Pref., Japan.

The Contract Number of the Uranium Enriching Services with the USDOE is E(49-14)UES/JA-001.

The details of the relevant Enriched UF₆ is as follows :

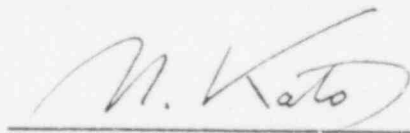
1. Enrichment : 2.25 w/o
2. Quantity : 17578 Kgs U
3. U-235 Quantity : 396 Kgs U-235
4. Delivery Time : September 1979

The relevant Enriched UF₆ is to be fabricated into fuel assemblies by Mitsubishi Nuclear Fuel Co., Ltd., Japan.

Mitsubishi International Corporation, New York is responsible for obtaining the Export License on our behalf covering the aforementioned Uranium.

**POOR
ORIGINAL**

The Kansai Electric Power Co., Inc.



Naokuni Kato, Manager
Fuel Department

027 306

APPLICATION FOR LICENSE TO EXPORT
BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL

XSNM01556
11000752

Submit in Triplicate

Carefully Read Instructions on Back

1. DATE OF APPLICATION July 31st, 1979		2. APPLICANT'S REFERENCE NO. (if any) HSA-5479-06		3. COUNTRY OF ULTIMATE DESTINATION JAPAN	
4. NAME OF APPLICANT MITSUBISHI INTERNATIONAL CORPORATION STREET ADDRESS 277 PARK AVENUE CITY, STATE, AND ZIP CODE			5. ULTIMATE CONSIGNEE IN FOREIGN COUNTRY (Name and address) THE KANSAI ELECTRIC POWER COMPANY, ICN. 5 NAKANOSHIMA, 3-CHOME KITAKU, OSAKA, JAPAN		
6. INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY (Give name and address. If same as ultimate consignee, state "Same.") MITSUBISHI NUCLEAR FUEL COMPANY, LTD. TOKAI PLANT; NO.622 FUNA-ISHIKAWA, OHAZA TOKAI-MURA, NAKA-GUN, IBARAKI PREF., JAPAN			7. IF PURCHASER IN FOREIGN COUNTRY IS OTHER THAN ULTIMATE CONSIGNEE, GIVE NAME AND ADDRESS. (If same, state "Same.") "SAME AS 5"		
8. (a) QUANTITY TO BE SHIPPED (See instructions on back) 396 kgs. U-235 contained in 17,578 kgs. of uranium		(b) COMMODITY DESCRIPTION (Include chemical and physical form; for special nuclear material and byproduct material also specify isotopic content; if in a device, identify the device, manufacturer, and model number.) 2.25% enriched Uranium Hexafluoride (UF6)			
(c) SHIPPING AND PACKING PROCEDURES (Required for special nuclear material. See instructions on back.) TO BE PACKED IN 12 pcs. OF 30 INC DIA CYLINDERS AND FURTHER PACKAGED IN OUTER PROTECTIVE PACKAGES (DOT SPECIFICATION CONTAINER 21 PF-1)					
9. END USE OF COMMODITIES COVERED BY THIS APPLICATION: (Describe fully, stating what will be produced or manufactured, what service will be rendered, or the nature of the research that will be performed.) (See instructions on back for special nuclear material.) AS PER ATTACHED END USE STATEMENT OF THE KANSAI ELECTRIC POWER COMPANY, ICN. DATED JULY 31st, 1979					

10. The applicant, and any official executing this certificate on behalf of the applicant named in Item 4, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Parts 30 and 36 (if for byproduct material) or Part 40 (if for source material), or Part 70 (if for special nuclear material), and Part 71 (for transport of radioactive material, if applicable) and that all information contained herein, including any supplements attached hereto, is true and correct to the best of their knowledge and belief.

POOR ORIGINAL

MITSUBISHI INTERNATIONAL CORPORATION

(Applicant named in Item 4)
By: [Signature]
Y. FUKAZAWA
GENERAL MANAGER
NON FERROUS METAL DIVISION

(Title of certifying official authorized to act on behalf of the applicant)

Warning: 18 U.S.C. Section 1001; Act of June 25, 1948; 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction

927 307

~~XXXXXXXXXX~~ Day 7908310525