

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

May 22, 1980

INFORMATION REPORT

SECY-80-263

For: The Commissioners

From: James R. Shea, Director
Office of International Programs

Thru: Acting Executive Director for Operations *JAR for W.J.D.*

Subject: APPLICATION FOR EXPORT OF TWO POWER REACTORS TO
TAIWAN (XR-136), NUCLEAR UNITS 7 AND 8

Purpose: To inform the Commission of the receipt of a license
application warranting special attention.

Discussion: Enclosed for the information of the Commission are
copies of a license application dated April 23, 1980
from Westinghouse Electric Corporation for the export
of two reactors to Taiwan. General Electric also has
applied for a license to supply these power reactors
(see SECY 80-146). Commissioner review will be necessary
on this application.

Commissioners are requested to advise the staff of any
particular issues or information which they can identify
at this stage and which they wish included in the staff's
analysis.

Contact:
B.L.Wright, IP (49-27984)

Enclosure:
Subject Application

DISTRIBUTION:
Commissioners
Commission Staff Offices
Exec. Dir. for Opers.
Secretariat

J.R. Shea
James R. Shea, Director MAY 21 1980
Office of International Programs

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RECEIVED
U.S. NRC

Westinghouse
Electric Corporation

Water Reactor
Divisions

Box 355
Pittsburgh Pennsylvania 15230

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EXPORT/IMPORT
AND
INTERNAT'L SFGROS

April 23, 1980

*XR-136
11002058*

Mr. Marvin R. Peterson
Acting Assistant Director
Office of International Programs
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Peterson:

Subject: Utilization Facility Export License/Taiwan Units 7 and 8

We respectfully request that pursuant to 10CFR110.51, license XR113 be amended to include two (2) additional units. (For your convenience, we are enclosing a copy of license XR113 and amendment 1).

In order to confirm the U. S. as a reliable supplier of nuclear energy, a clear objective of the NNPA, we ask that every effort be made to grant this amendment within the time specified in the NNPA. Towards this objective, we propose that the "no material changed circumstance" provisions of the NNPA be exercised.

The following information, requested by 10CFR110, applies to the two additional units:

Part 31 information:

- (a) Applicant
Same
- (b) Supplier
Same
- (c) Ultimate Consignee
Same
- (d) Intermediate Consignee
Same

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1980 MAY 2 AM 11 01

- (e) Date of proposed first shipment
Unit No. 7 - January 1983, Unit No. 8 - January 1984
- (f) Date of proposed final shipment
Unit No. 7 - January 1994, Unit No. 8 - January 1994
- (g) Contractual delivery dates, if established
Later
- (h) Proposed expiration date of export license
January 2034

Note - This date is based on a 40 year facility life from the anticipated unit 8 operation date and will facilitate exporting of warranty, replacements and other equipment necessary for smooth, safe and efficient operation of these facilities.

- (i) End-Use of equipment
Electric power generation in Taiwan

Part 32 information:

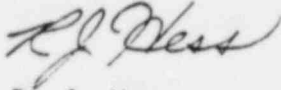
- (a) General description of equipment
Same
- (b) Design power level
Same
- (c) Name of installation, if known
Currently referred to as Taiwan Nuclear Units 7 and 8
- (d) Location
Yen Liao, Taiwan, approximately 50 KM east of Taipei
- (e) Date when equipment is needed abroad
Unit No. 7 - April 1983, Unit No. 8 - April 1984
- (f) Total estimated value
\$250,000,000 (units 7 and 8)
- (g) List of appendix A items
Same

Mr. Marvin R. Peterson
April 23, 1980
Page 3

This request for amendment is issued on behalf of Westinghouse Electric Corporation, incorporated in the state of Pennsylvania with headquarters located in Pittsburgh, Pennsylvania. Westinghouse Electric Corporation is not owned, controlled or dominated by an alien, a foreign corporation or any foreign government.

If we can be of any assistance, please advise.

Sincerely yours,



R. J. Hess
International Customer Services

/cg

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U.S. NRC

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AMENDMENT
FILED

THIS LICENSE EXPIRES 31 December 1986

United States of America
Nuclear Regulatory Commission

XR-113

Page 1 of 3 Pages

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by

the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

<p>LICENSEE</p> <p>NAME Westinghouse Electric Corporation Box 355 Pittsburgh, Pennsylvania 15230 ADDRESS Attn: R. Hess</p>		<p>ULTIMATE CONSIGNEE IN FOREIGN COUNTRY</p> <p>NAME Taiwan Power Company 39 East Hopping Road ADDRESS Section 1 Taipei, Taiwan Republic of China</p>	
<p>INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY</p> <p>NAME NONE ADDRESS</p>		<p>OTHER PARTIES TO EXPORT</p> <p>NONE</p>	
<p>APPLICANT'S REF. NO.</p>		<p>COUNTRY OF ULTIMATE DESTINATION</p>	

QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES
	<p>The facilities known as Taiwan Power Company Nuclear Units 5 and 6, consists of two Westinghouse pressurized water reactors with a thermal power level of 2785 megawatts each, plus components and associated equipment identified within the following categories:</p> <ul style="list-style-type: none"> A. Reactor Coolant System B. Chemical and Volume Control System C. Boron Recycle System D. Boron Thermal Regeneration System E. Residual Heat Removal System F. Safety Injection System G. Reactor Control and Protection System H. Nuclear Instrumentation System I. Incore Instrumentation <p>(Continued on Page 2, Docket No. 50-558)</p>

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended and to all of the other provisions of said Acts, now or hereafter, in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW
BY AUTHORIZED NRC REPRESENTATIVE

DATE OF ISSUANCE

EXPORT LICENSE

Handwritten:
798734946

THIS LICENSE EXPIRES 31 December 1986

United States of America
Nuclear Regulatory Commission

XR-113
Page 2 of 3 Pages

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

LICENSEE NAME <u>Westinghouse Electric Corporation</u> <u>Box 355</u> ADDRESS <u>Pittsburgh, Pennsylvania 15230</u> <u>Attn: R. Hess</u>		ULTIMATE CONSIGNEE IN FOREIGN COUNTRY NAME <u>Taiwan Power Company</u> <u>39 East Hoping Road</u> ADDRESS <u>Section 1</u> <u>Taipei, Taiwan</u> <u>Republic of China</u>	
INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY NAME <u>NONE</u> ADDRESS <u>NONE</u>		OTHER PARTIES TO EXPORT <u>NONE</u>	
APPLICANT'S REF. NO.		COUNTRY OF ULTIMATE DESTINATION	

QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES (continued from Page 1)
	<ul style="list-style-type: none"> J. Process Instrumentation System K. Process Computer System L. Valves and other NSSS (Nuclear Steam Supply System) Equipment M. Tools and Equipment <p>Items in category "M" may be reexported to Westinghouse in the USA.</p> <p>The approximate value of items and technical data to be exported from the United States of America is \$102,000,000.00</p> <p>NOTE TO CUSTOMS OFFICER: No byproduct, source, or special nuclear materials may be exported under this license.</p>

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW BY AUTHORIZED NRC REPRESENTATIVE

Gerald G. Oplinger
 Gerald G. Oplinger, Assistant Director
 Export/Import and International Safeguards
 Office of International Programs

DATE OF ISSUANCE JUN 08 1979

EXPORT LICENSE

U.S. NUCLEAR REGULATORY COMMISSION
EXPORT LICENSE

Conditions

License Number XR-113

Condition 1 — Licensee shall file with the Customs Officer or the Postmaster two copies, in addition to those otherwise required, of the Shipper's Export Declaration covering each export and mark one of such copies for transmittal to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555. The following declaration should accompany or be placed on the Shipper's Export Declarations for such exports:

"This shipment is being made pursuant to specific license number (**specific license number**) filed at (**location of Customs office where license is filed**), on (**date license was filed**). This license expires on (**expiration date of license**), and the unshipped balance remaining on this license is sufficient to cover the shipment described on this declaration."

Condition 2 — Exports authorized in any country or destination, except Country Groups Q, S, W, X, Y, and Z in Part 370, Supplement No. 1, of the Comprehensive Export Schedule of the U.S. Department of Commerce.

Condition 3 — This license covers only the nuclear content of the material.

Condition 4 — The material to be exported under this license shall be shipped in accordance with the physical protection requirements for special nuclear material in 10 CFR 73.

Condition 5 — Special nuclear material authorized for export under this license shall not be transported outside the United States in passenger-carrying aircraft in shipments exceeding (1) 20 grams or 20 curies, whichever is less, of plutonium or uranium 233, or (2) 350 grams of uranium 235.

Condition 6 — This license authorizes export only and does not authorize the receipt, physical possession, or use of the nuclear material.

Condition 7 — The licensee shall complete and submit an NRC Form 741 for each shipment of source material exported under this license.

Condition 8 — The licensee shall advise the NRC in the event there is any change in the designation of the company who will package the nuclear material to be exported under this license, or any change in the location of the packaging operation, at least three weeks prior to the scheduled date of export.

EXPORT LICENSE

FORM NRC-250
(7-75)

NRC LICENSE NO.

THIS LICENSE EXPIRES 31 December 1986

XR-113

United States of America
Nuclear Regulatory Commission

Amendment No. 01

Pursuant to the Atomic Energy Act of 1954, as amended, and the Energy Reorganization Act of 1974 and the regulations of the Nuclear Regulatory Commission issued pursuant thereto, and in reliance on statements and representations heretofore made by

the licensee, a license is hereby issued to the licensee authorizing the export of the materials and/or production or utilization facilities listed below, subject to the terms and conditions herein.

LICENSEE		ULTIMATE CONSIGNEE IN FOREIGN COUNTRY	
NAME	Westinghouse Electric Corp. Box 355 Pittsburgh, Pennsylvania 15230	NAME	Taiwan Power Company 39 East Hoping Road Section 1
ADDRESS	Attn: R. Hess	ADDRESS	Taipei, Taiwan
INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY		OTHER PARTIES TO EXPORT	
NAME	NONE	NONE	
ADDRESS			
APPLICANT'S REF. NO.	NONE	COUNTRY OF ULTIMATE DESTINATION Taiwan	

QUANTITY	DESCRIPTION OF MATERIALS OR FACILITIES
	This license is amended to delete the Republic of China as the ultimate consignee. All other conditions remain unchanged. ////////////////////////////////////////////////////////////////////END//////////////////////////////////////////////////////////////////

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954, as amended and the Energy Reorganization Act of 1974.

This license is subject to the right of recapture or control by Section 108 of the Atomic Energy Act of 1954, as amended and to all of the other provisions of said Acts, now or hereafter in effect and to all valid rules and regulations of the Nuclear Regulatory Commission.

THIS LICENSE IS INVALID UNLESS SIGNED BELOW
BY AUTHORIZED NRC REPRESENTATIVE
J. R. Shea
James R. Shea, Director
Office of International Programs

DATE OF ISSUANCE JUN 13 1979

EXPORT LICENSE

79-1254141

Westinghouse
Electric Corporation

Power Systems
Company

ICS-2612

Water Reactor Divisions Marketing
International Operations

Box 1918
Pittsburgh Pennsylvania 15230

January 7, 1976

Mr. G. Wayne Kerr, Chief
Agreements and Export Branch
Division of Materials and Fuel
Cycle Facility Licensing
Nuclear Regulatory Commission
Washington, D.C. 20545



Gentlemen:

Subject: Taiwan Power Company Nuclear Units 5 and 6

We hereby apply for an NRC Export License covering the supply of two Nuclear Steam Supply Systems consisting primarily of the below listed items by Westinghouse Electric Corporation to Taiwan Power Company whose offices are located at Taipei, Taiwan, Republic of China for their Nuclear Units 5 and 6 Nuclear Power Station located near Kuosheng on the Southern coast of Taiwan.

1. Pressurized Water Reactor
2. 2785 Megawatts Thermal
3. The equipment to be exported from the United States will have an approximate value of \$102,000,000.00.
4. Equipment being exported is for incorporation into or use with all or part of the major categories:
 - a. Reactor Coolant System
 - b. Chemical and Volume Control System
 - c. Boron Recycle System
 - d. Boron Thermal Regeneration System
 - e. Residual Heat Removal System
 - f. Safety Injection System
 - g. Reactor Control and Protection System
 - h. Nuclear Instrumentation System
 - i. Incore Instrumentation
 - j. Process Instrumentation System
 - k. Process Computer System
 - l. Valves and other NSSS (Nuclear Steam Supply System) Equipment
 - m. Tools and Equipment

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Mr. G. W. Kerr
Page 2
January 7, 1976

Shipments are expected to commence January 1978. The scheduled operation date of the Unit 5 plant is September 1982 and the Unit 6 plant September 1983. Since the Westinghouse warranty extends for three years beyond the plant completion date, an export license with a validity period extending through December 1986 is requested.

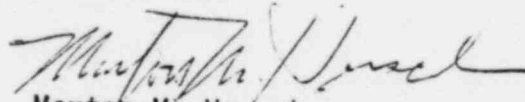
The consignee is:

Taiwan Power Company
39 East Hopping Road, Section 1
Taipei, Taiwan
Republic of China

This letter is issued on behalf of Westinghouse Electric Corporation, incorporated in the State of Pennsylvania with headquarters located in Pittsburgh, Pennsylvania. Westinghouse Electric Corporation is not owned, controlled or dominated by an alien, a foreign corporation or any foreign government.

Your consideration to this application will be appreciated. Please contact me should you have any questions. My phone number is (412) 256-4315.

Sincerely,



Morton M. Hersch
WRD International Customer Services

/skr

cc: J. P. Butler