



March 9, 1993
LD-93-041

Mr. Ronald D. Hauber
Assistant Director for Exports, Security and Safety Cooperation
Office of International Programs
U.S. Nuclear Regulatory Commission
1 White Flint North, Mail Station 3H5
11555 Rockville Pike
Rockville, MD 20852

XR137/02
11002252

Subject: Request for Amendment to NRC Licenses XR137 and XSNM01753

Enclosure: [1] Proposed Modifications to License XR137, Amendment 1, 12/02/91.
[2] Proposed Modifications to License XSNM01753, 2/17/81.

Reference: C-E Letter, LD-91-045, E. H. Kennedy to R. D. Hauber [NRC], 8/8/91.

Dear Mr. Hauber:

The purpose of this letter is to request that the subject licenses be amended as shown in the enclosures. These licenses authorize export of Nuclear Steam Supply System components, an initial core, and reload fuel for two nuclear plants to Taiwan. Since these export licenses were issued in 1981 [XSNM01753] and 1991 [XR137, Amendment 01], the Taiwan Power Company has requested various changes in the scope of supply, schedule, and power level for the power plants to be exported under these licenses. Taiwan Power Company now desires to procure a "nuclear island," which is more extensive than the NSSS described in XR137.

License XR137 was amended by the NRC on 12/02/91 to revise the consignee's address, to increase the design power level, and to update the value of the exported components, tools, materials and goods. We request that this license be further amended to revise the power level and the license duration, to correct the name of the plant and value of the exported materials, and to include the plant operator training simulator among the authorized components. NRC license XSNM01753 for the export of the initial core for each plant is also requested to be amended to update the amount of materials and the enrichment, to extend the license duration, and to authorize five reloads for each unit. A request to amend the quantity of core material and enrichment for the initial core permitted by export license XSNM01753 was submitted via the Reference letter, copy attached. No modifications are requested to export License XSNM01754.

We would appreciate receiving copies of documents confirming the application of appropriate nuclear safeguards to these exports, as C-E has been requested by the Taiwan Power Company to provide a certification that such safeguards will be established.

An application fee of \$6200 is enclosed for the modifications requested to licenses XR137 and XSNM01753. It would be appreciated if the NRC could expedite this review and issue the amended licenses by May 31, 1993. NRC's effort on our behalf is deeply appreciated.

Very truly yours,

C. B. Brinkman
Acting Director, Nuclear Licensing

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PDR XPORT
XR-0137 PDR

ABB Combustion Engineering Nuclear Power

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Enclosure [1]

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Requested changes to NRC License XR137, Amendment 01, issued December 2, 1991

License Expiration Date:

Delete: 31 January 2002

Insert: 31 December 2014

Licensee:

Delete: Attn: E. H. Kennedy

Insert: Attn: C. B. Brinkman

Ultimate Consignee:

Delete: Yenliao Power Station, Units 7 and 8

Insert: Lungmen Project, Fourth Nuclear Power Plant Units 1 & 2

Intermediate Consignee:

No Change Requested

Other Parties to Export:

Delete: None

Insert: Bechtel Power Corporation
50 Beale Street
San Francisco, CA

[Plus other U.S. Suppliers and Subcontractors to Licensee]

Applicant's Ref. No:

Delete: LD-91-039

Insert: LD-93-041

Description of Materials:

Delete the following:

The licensee is authorized to export Two Nuclear Steam Supply Systems, each with a design power level of approximately 1300 MWe each. The name of the installation is Yenliao Station, Units 7 and 8. Each system consists primarily of:

- A) Reactor Vessel
- B) Reactor Internals
- C) Pressurizer
- D) Steam Generators
- E) Reactor Coolant Pumps
- F) Reactor Coolant System Piping
- G) Reactor Instrumentation, Monitoring, and Control Equipment
- H) Reactor Auxiliary Systems and Equipment
- I) Emergency Core Cooling Systems
- J) Fuel Handling Equipment
- K) Electrical and Control Systems
- L) Various Equipment and Technical Support Services

The total value of items to be exported from the United States under this license is approximately \$600,000,000. Equipment, tools, components and materials covered by this license may be disposed of or returned to Combustion Engineering in the United States or transferred to the site of another reactor exported pursuant to a facility export license issued by the U.S. Nuclear Regulatory Commission to Combustion Engineering. No byproduct, source or special nuclear material may be

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Enclosure [1]

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Requested changes to NRC License XR137, Amendment 01, issued December 2, 1991

exported under this license. This license shall become effective only upon award to the licensee of a firm order for Taiwan Power Company Nuclear Units 7 and 8. This license is amended to: 1) change the ultimate consignee's address from 154 Pa Te Road, Section 4, Taipei, Taiwan to 242 Roosevelt Road, Section 3, Taipei, Taiwan; 2) increase the design power level from 300 MWe to 1300 MWe, and 3) increase the total value of items to be exported from \$250,000,000 to \$600,000,000. All other conditions remain unchanged.

Insert the following:

Licensee is authorized to export two [2] pressurized water nuclear islands, each with an approximate power level of 4128 MWt [~ 1350 Mwe], for installation at the Lungmen Nuclear Project, Units 1 & 2.

Each nuclear island consists primarily of:

- A) Various Containment and Auxiliary Buildings for Safety or Non-Safety Functions;
- B) Reactor Vessel and Reactor Internals;
- C) Pressurizer and Steam Generators;
- D) Control Element Drives;
- E) Reactor Coolant Pumps;
- F) Reactor Coolant System Piping;
- G) Steam and Feedwater System Piping, Valves, and Associated Equipment;
- H) Instrumentation, Monitoring, and Control Equipment;
- I) Reactor Auxiliary Systems and Equipment;
- J) Diesel-Generators, Fuel Oil Handling, and Related Equipment, Tools, and Supplies;
- K) Emergency Core Cooling Systems;
- L) Fuel Handling Equipment;
- M) Electrical and Control Systems;
- N) Heating, Ventilating and Air-Conditioning Systems;
- O) Fire Protection Systems and Equipment;
- P) Hydrogen Mitigation and Recombiner Systems;
- Q) Control, Protection, and Safeguards Systems;
- R) Liquid, Solid, and Gaseous Radioactive Waste Systems;
- S) Air and Gas Supply and Distribution Systems;
- T) Cranes, Hoists, and Lifting Equipment;
- U) Nuclear Plant Training Simulator and Related Equipment;
- V) Various Spare Parts, Tools, Equipment and Technical Support Services;
- W) Other commodities, including operating software, necessary for the completion of the nuclear island; and
- X) Supporting training and technology to permit the design, construction, installation, licensing, and continuing operation, maintenance, and repair of the two nuclear islands and the nuclear fuel associated with those nuclear islands.

The total value of items to be exported from the United States under this license is approximately \$3,700,000,000. No byproduct, source, or special nuclear material may be exported under this license. Equipment, tools, components and materials covered by this license may be disposed of or returned to Combustion Engineering in the United States or transferred to the site of another reactor exported pursuant to a facility export license issued by the U.S. Nuclear Regulatory Commission to Combustion Engineering. This license shall become effective only upon award by the Taiwan Power Company to the licensee of a firm order for Lungmen Nuclear Units 1 and 2.