



CARPENTER
TECHNOLOGY CORPORATION

SPECIAL PRODUCTS DIVISION P.O. BOX 20536, SAN DIEGO, CALIFORNIA 92120 (714) 448-1000

ACC

XCOMO 128
11000364

DATE: December 5, 1978

ADDENDUM TO
EXPORT LICENSE APPLICATION
FOR BOILING WATER REACTOR ZIRCALOY-4 FUEL CHANNELS

The following information is given in accordance with that information which is required by Paragraph 110.31, General Requirements of 10CFR Part 110.

a. Name and U.S. address of applicant:

Carpenter Technology Corporation
Special Products Division
Post Office Box 20536
San Diego, California 92120

b. Name and address of supplier of equipment and material, if different from the applicant:

None

c. Name and address of ultimate consignee:

Kernkraftwerk Isar GmbH
Postfach 370 225
D-8000 München 37
GERMANY

d. Name and address of intermediate consignee:

None

e. Date of proposed first shipment:

August, 1979

f. Date of proposed completion of final shipment:

August 1979

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g. Contractual delivery date, if established:

N/A

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h. Proposed expiration of export license:

January 1, 1980

EXPORT/IMPORT
AND
INTERNAT'L SFORDS

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Special Products Division
Post Office Box 20536
San Diego, California 92120

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EXPORT LICENSE APPLICATION FOR BOILING WATER REACTOR ZIRCALOY-4 FUEL CHANNELS, continued.

i. End use of material by all consignees:

Replacement core components for KKI Reactor.

Additional information as required by Paragraph 110.32, Additional Requirements of 10CFR Part 110.

a. General description of equipment:

105 each, 3 mm Zircaloy-4 alloy fuel channels. These fuel channels are 5.278" inside diameter by approximately 167 inches in length. The cross section of the tube is square with equal sides. The normal use for these fuel channels is to serve as a water flow chimney for boiling water reactor fuel.

b. Design power level:

870 megawatts electric

c. Name of installation:

Kernkraftwerk Isar (KKI)

d. Location of where equipment is to be used:

Ohu, Germany

e. Date when equipment is needed abroad:

Fourth quarter of 1979.

f. Total dollar value of all items to be exported under the requested license:

\$405,195.00

g. List of items to be exported:

Boiling water reactor fuel channels would be classified under Zirconium Tubes, as listed in Appendix A of Nuclear Equipment, Item A(6).