



CARPENTER
TECHNOLOGY CORPORATION

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

Acc

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11002064

DATE: May 12, 1980

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:

Preussische Elektrizitätswerke A.G.
Kernkraftwerk Würzgassen
3472 Beverungen 1
West Germany

d. Name and address of intermediate consignee:

Kraftwerk Union AG
Erlangen, West Germany

e. Date of proposed first shipment:

November 1, 1980

f. Date of proposed completion of final shipment:

November 1, 1980

g. Contractual delivery date, if established:

November 1, 1980

h. Proposed expiration of export license:

July 1, 1981

*Copy to PDR and ACC
#0200 5-15-80

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

i. End use of material by all consignees:

Replacement parts for Kernkraftwerk Würgassen Boiling
Water Reactor

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

a. General description of equipment:

160 each Zircaloy-4 BWR Fuel Channels
2.5mm (100 mil) wall
Zirconium alloy square boxes, 5.278 inches inside diameter
by approximately 167 inches long.

b. Design power level:

640 megawatts electric (net)

c. Name of installation:

Kernkraftwerk Würgassen (KWW) (KKW)

d. Location of where equipment is to be used:

Würgassen, West German (FRG)

e. Date when equipment is needed abroad:

December 31, 1980

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

729,760.00 U.S. dollars

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).