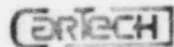


CARPENTER TECHNOLOGY CORPORATION
SPECIAL PRODUCTS DIVISION

PO BOX 20536 SAN DIEGO CALIFORNIA 92120 (714) 448-1000



PDR
XCOM0656
11002917

July 21, 1982

EXPORT/IMPORT
AND
INTERNATIONAL SAFEGUARDS

1982 JUL 26 AM 9 45

RECEIVED
U.S. NRC

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

Attention: Ms. Elaine Hemby, MNBB Mail Stop 414A E/W/S

Subject: Export License Application for Zircaloy Tubing

Reference: CarTech-SPD 15003

Dear Ms. Hemby:

Carpenter Technology Corporation, Special Products Division, requests an export license for the purpose of exporting Zircaloy tubing to Norway. This license is for replaceable parts. The appropriate information required per 10CFR Part 110 is attached.

If you have any questions concerning this license application, please contact me. Thank you for your assistance.

Very truly yours,

D. R. Wozniak
General Sales Manager

DRW/jjr

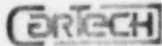
Enclosure: Addendum to Export License, dated 7/16/82,
for Halden Tubing

8208040117 820721
PDR XPORT
XCOM-0656 PDR

CARPENTER TECHNOLOGY CORPORATION

SPECIAL PRODUCTS DIVISION

PO BOX 20536, SAN DIEGO, CALIFORNIA 92120 • (714) 448-1000



DATE: 7/16/82

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:

Institute for Energiteknikk
OECD Halden Reactor Project
P. O. Box 173
N-1751 Halden, Norway

d. Name and address of intermediate consignee:

Unknown

e. Date of proposed first shipment:

November, 1982

f. Date of proposed completion of final shipment:

January, 1983

g. Contractual delivery date, if established:

January, 1983

h. Proposed expiration of export license:

July, 1983

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

Date:
Page: 2

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

i. End use of material by all consignees:

Replacement components for core internals.

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

a. General description of equipment:

Round Zircaloy tubing (2.874" OD X .039" Wall X 86.614" ^{20 each *}
and 185.039" Lengths)

✓ 4 each *

b. Design power level:

25 MW (TH)

c. Name of installation:

OECD Halden Reactor Project

d. Location of where equipment is to be used:

Halden, Norway

e. Date when equipment is needed abroad:

February, 1983

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

\$42,000.00

g. List of items to be exported:

Zircaloy tubing would be classified under Zirconium
Tubes, as listed in Appendix A of Nuclear Equipment,
Item A(6).

* added by B.L. Wright
per telcon with
Mr. Wozniak.
7.26.83