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Form AEC-7
(2-67)

U.S. ATOMIC ENERGY COMMISSION
Washington, D.C. 20545

Form approved
Budget Bureau No.
38-R007

**THIS DOCUMENT CONTAINS
POOR QUALITY PAGES**

**APPLICATION FOR LICENSE TO EXPORT
BYPRODUCT, SOURCE, OR SPECIAL NUCLEAR MATERIAL**

XSNM01702
11002131

Submit in Triplicate

Carefully Read Instructions on Back

| | | |
|--|---|---|
| 1 DATE OF APPLICATION July 8, 1980 | 2 APPLICANT'S REFERENCE NO. (if any) | 3 COUNTRY OF ULTIMATE DESTINATION Vienna, Austria |
| 4 NAME OF APPLICANT U. S. Department of Commerce STREET ADDRESS National Bureau of Standards CITY, STATE, AND ZIP CODE Washington, DC 20234 | | 5 ULTIMATE CONSIGNEE IN FOREIGN COUNTRY (Name and address) Attn: Mr. Saurabh Sanatani International Atomic Energy Agency Vienna International City P. O. Box 100, A-1400 Vienna, Austria |
| 6 INTERMEDIATE CONSIGNEE IN FOREIGN COUNTRY (Give name and address. If same as ultimate consignee, state "Same.") Same | | 7 IF PURCHASER IN FOREIGN COUNTRY IS OTHER THAN ULTIMATE CONSIGNEE, GIVE NAME AND ADDRESS. (If same, state "Same.") Same |
| 8 (a) QUANTITY TO BE SHIPPED (See instructions on back) See attachment | (b) COMMODITY DESCRIPTION (Include chemical and physical form; for special nuclear material and byproduct material also specify isotopic content; if in a device, identify the device, manufacturer, and model number.) Three fission track power monitors each containing a built-in source plate, and three source plates. These source plates contain ²³⁵ U, ²³⁷ Np, ²³⁸ U, and ²⁵² Cf. | |

(c) SHIPPING AND PACKING PROCEDURES (Required for special nuclear material. See instructions on back.)

10CFR71 does not apply; material will be packaged as Type A quantity.

9. END USE OF COMMODITIES COVERED BY THIS APPLICATION: (Describe fully, stating what will be produced or manufactured, what service will be rendered, or the nature of the research that will be performed.) (See instructions on back for special nuclear material.)

The commodities were on loan from the IAEA for a cooperative research program and the commodities are being returned.

10. The applicant, and any official executing this certificate on behalf of the applicant named in Item 4, certify that this application is prepared in conformity with Title 10, Code of Federal Regulations, Parts 30 and 36. (if for byproduct material) or Part 40 (if for source material), or Part 70 (if for special nuclear material), and Part 71 (for transport of radioactive material, if applicable) and that all information contained herein, including any supplements attached hereto, is true and correct to the best of their knowledge and belief.

National Bureau of Standards
(Applicant named in Item 4)

By: Lyman E. Pevey
Lyman E. Pevey
Chief, Occupational Health & Safety Div.
(Title of certifying official authorized to act on behalf of the applicant)

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Copy to: Document Management Branch, NRC

Warning: 18 U.S.C. Section 1001; Act of June 25, 1948: 62 Stat. 749; makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction

8(a). The quantity of material contained in each source plate is

| <u>Nuclide</u> | <u>No. of Foils per Monitor</u> | <u>Quantity per Foil (μg)</u> | <u>Total Amount in 6 Sources (μg)</u> | |
|-------------------|-------------------------------------|---|---|------------------|
| ^{235}U | 3 | 0.74 | (9790 μm) 13.32 | 214 micrograms U |
| ^{237}Np | 1 | 0.079 | 0.474 | |
| ^{238}U | 1 | 0.70 | 4.20 | |
| ^{252}Cf | 1 | 0.006 | 0.036 | |