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FEDERAL BUREAU OF STANDARDS

February 25, 1983

Assistant Director for Export/Import  
and International Safeguards  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Sir:

A license to export material as specified below is requested.

Applicant: National Bureau of Standards  
(and supplier) Washington, DC 20234

Consignee: Dr. Albert Fabry  
Reactor Physics Section  
CEN/SCK (nuclear Studies Center)  
B-2400 Mol  
Belgium

First Shipment: March 4, 1983, at the latest

Final Shipment: Single shipment only

Contractural Dates: Measurements requiring these deposits to begin March 21

Proposed Expiration Date: 6-1-83

Use: These deposits will be used in measurements at the BR1 reactor supported by a USNRC contract on pressure vessel surveillance dosimetry.

Form: All deposits are either oxides or fluorides. The deposits are securely bonded to metal backings. U-235 enrichment is greater than 95%. Depletion of U-238 samples is greater than or equal to natural depletion.

Quantity: 1 deposit of Th-232, 603.5 µg, less than  $1 \times 10^{-10}$  Ci  
3 deposits of U-238, total 1164.2 µg,  $5 \times 10^{-10}$  Ci  
2 deposits of U-235, total 981.0 µg,  $1.3 \times 10^{-8}$  Ci  
2 deposits of Np-237, total 916.5 µg,  $6.4 \times 10^{-7}$  Ci

Origin: All material of US origin

For further information contact L. A. Slaback (921-2247).

Sincerely,

*Lyman E. Pevey*  
Lyman E. Pevey  
Chief, Occupational Health  
and Safety Division