

Monsanto

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ENGINEERED PRODUCTS

MONSANTO RESEARCH CORPORATION

Dayton Laboratory
1515 Nicholas Road
P. O. Box 8, Station 8
Dayton, Ohio 45407
Phones: (513) 288-6769
(513) 288-3411
Telegraph: TWX 810-458-1681

29 October 1980

INTERNATIONAL SERVICES
BRANCH

NOV 5 11 10 69

WILLIAMSON

Mr. Marvin Peterson
Office of International Programs
Export & Import and International Safeguards Branch
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Peterson:

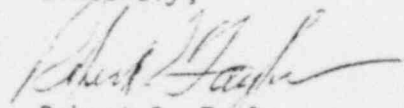
Reference: XB001102

Pursuant to our telecon last week, I am enclosing three letters we have written to the Executive Branch regarding our request for an export license to ship a Cf-252 neutron source to the BARC in India.

As you are aware, we feel strongly that Monsanto should be able to ship sources of this kind to India. We have an order in-house for the 1 mg Cf-252 source, and we would like to deliver the source to our customer in early 1981. Any assistance you might be able to offer in getting a positive response to our license request is appreciated.

If you have any questions regarding the above, please contact me at your convenience.

Sincerely,



Robert R. Taylor
Manager
Operations

RRT:dgk

Enclosures

Monsanto

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1515 Nicholas Road
P. O. Box 8, Station 8
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21 October 1980

Ms. Natalie Martin
U.S. Department of Energy
Forrestal Bldg.
Mail Stop 5F066
1000 Independence Ave.
Washington, D.C. 20585

Dear Ms. Martin:

Reference: Export Request XB-001102

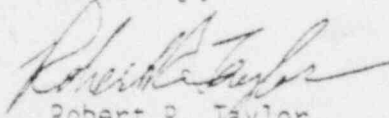
We have received additional information from our Bombay Representative regarding the end use of the Cf-252 which we wish to export to India.

Our customer at BARC will be using the source to develop non-destructive assay techniques for various materials. The source will also be used in radiography for academic research. The customer has categorically stated that the source will not be used for atomic weapon or atomic energy work but only for nuclear chemistry work.

We have further been advised that Amersham (Radiochemical Centre-Amersham, England) had supplied a much larger quantity of Cf-252 to our customer, and the end-use was given to Amersham as "research in nuclear chemistry". Our customer reports that Amersham accepted the statement as "sufficient for processing their order."

We believe that sufficient information has now been supplied in order to obtain a license to export a Cf-252 neutron source to India. We have received an order from our customer to deliver the 1 milligram Cf-252 neutron source in early 1981. We look forward to receiving an export license in time to meet the desired delivery.

Sincerely,



Robert R. Taylor
Manager
Operations

RRT:dgk

Monsanto

ENGINEERED PRODUCTS

MONSANTO RESEARCH CORPORATION

Dayton Laboratory
1515 Nicholas Road
P. O. Box 8, Station B
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8 October 1980

Ms. Natalie Martin
U.S. Department of Energy
Forrestal Bldg.
Mail Stop 5F066
1000 Independence Ave.
Washington, D.C. 20585

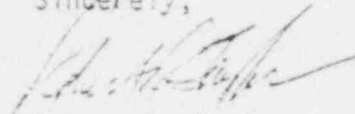
Dear Ms. Martin:

In response to your request for more information regarding export license request XB-001102, we submit the following information.

The Cf-252 neutron source is to be stored and used in the Radio-Chemistry Building at the BARC site. Mr. R. L. Schimmel of Monsanto Research Corporation visited the building on his visit to India on 4 December 1979, and to the best of his knowledge, observed no fuel/weapon related work. The building houses a large Co-60 irradiation facility along with many laboratories and offices. The work appeared to be along the line of industrial/agricultural research. A display of this work was situated in the lower entry hall. Mr. Schimmel visited the fuel R&D Building which was situated about one-half mile from the Radio-Chemistry Building. We were permitted to move unescorted throughout the Radio-Chemistry Building. Dr. Satyaprakash's field of work is Nuclear Chemistry.

We trust the information above as well as that previously submitted is sufficient to allow approval of our export license request. We look forward to hearing positively from you soon.

Sincerely,



Robert R. Taylor
Manager, Operations

RRT:dgk

cc: Mr. James Dewar