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NUCLEAR
DIVISION
Baltimore,
Maryland
21203

MARTIN COMPANY

April 12, 1965

Refer to: ACC-388
Internal Mail 845

U. S. Atomic Energy Commission
Division of Materials Licensing
Washington, D. C.

Attention: Mr. Kenneth Lauterbach

Subject: Shipment of Special Nuclear Material to
Nuclear Fuel Services Erwin, Tennessee

Reference: (a) Drop Test of Shipping Container
Application dated August 26, 1964

Gentlemen:

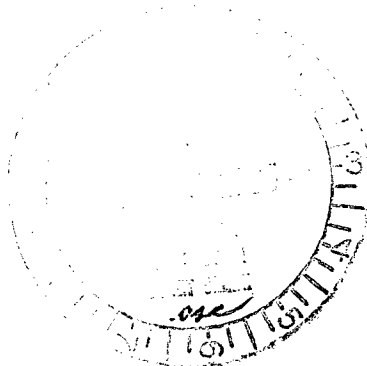
In the referenced application we defined the spacing and established the integrity of the Martin 55-gallon shipping container resulting from the 30-foot drop test criteria.

We now request AEC approval for use of the container for shipment of excess fuel from the Pathfinder program to Nuclear Fuel Services Erwin, Tennessee.

Attached is a listing of containers as presently packaged which will comprise the total shipment. Our nuclear safety analysis was performed in connection with our most recent license renewal application submitted January 28, 1965. Specific page references are Section IV-C1 through IV-C6. Since our shipment meets the resulting criteria of this calculation, we consider the criteria for this shipment by common carrier to be satisfied.

We are enclosing a statement from the Mason & Dixon Lines, Inc., defining their agreement to the non-commingling requirement.

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ACKNOWLEDGED

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A DIVISION OF
MARTIN
MARIETTA

The Martin Company
Baltimore, Maryland

-2-

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We plan to make shipment as soon as AEC approval is granted and will appreciate your usual prompt attention to this matter. We desire to make shipment no later than April 30, 1965.

Very truly yours,

MARTIN MARIETTA CORPORATION
MARTIN COMPANY, Nuclear Div.



C. W. Keller, Nuclear
Accountability & Licensing
Representative

CWK/plm

Pathfinder Scrap Shipment

| <u>Container Identity</u> | <u>Material</u> | <u>U</u> | <u>U235</u> |
|---------------------------|--------------------|-------------|-------------|
| MS-8 | 10 sectioned tubes | 661 | 616 |
| MS-9 | 10 sectioned tubes | 660 | 615 |
| MS-10 | 4 sectioned tubes | 266 | 248 |
| MS-12 | 6.4 Grinder powder | 146 | 136 |
| MS-20 | 250 Met. Samples | 125 | 116 |
| MS-21 | 250 Met. Samples | 125 | 117 |
| MS-22 | 250 Met. Samples | 125 | 116 |
| MS-23 | 250 Met. Samples | 125 | 117 |
| MS-24 | 250 Met. Samples | 125 | 116 |
| MS-25 | 250 Met. Samples | 125 | 117 |
| MS-26 | 206 Met. Samples | 103 | 96 |
| | Total | <u>2586</u> | <u>2410</u> |

and