

UNITED STATES GOVERNMENT

Memorandum

TO : Donald A. Nussbaumer, Chief
Source and Special Nuclear Materials Branch, DML

DATE: NOV 2 1964

FROM : Dale Smith *D. Smith*
Source and Special Nuclear Materials Branch DML

SUBJECT: CHRONOLOGIES OF ACTIONS ON TIMELY RENEWAL APPLICATIONS

DML:RDS

70-58

Attached are chronologies outlining the actions taken on fourteen licenses which have expired and are being continued on a timely renewal basis. These chronologies represent the actions taken up to the time of preparation, about the first week of September.

Copies of these chronologies have been given to the staff members who are concerned with these cases.

Chronologies attached:

<u>Docket No.</u>	<u>License No.</u>	<u>Licensee</u>	<u>Expiration Date</u>
70-8	SNM-7	Battelle Memorial Institute	September 30, 1960
x 70-27	SNM-42	Babcock & Wilcox	August 31, 1961
70-33	SNM-23	Metals and Controls	January 31, 1963
x 70-36	SNM-33	United Nuclear Corporation	January 31, 1962
70-43	SNM-38	Westinghouse	July 1, 1961
70-57	SNM-54	General Electric	December 1, 1961
x 70-58	SNM-53	Martin Company	April 30, 1963
x 70-72	SNM-69	General Atomic	September 1, 1963
x 70-135	SNM-145	NUMEC	November 30, 1962
x 70-143	SNM-124	Nuclear Fuel Services	September 30, 1962
x 70-169	SNM-150	General Electric	November 30, 1962
x 70-204	SNM-206	General Electric	May 31, 1962
x 70-337	SNM-338	Westinghouse	June 30, 1964
x 70-364	SNM-414	NUMEC	October 31, 1963

Submitted previously:

x 70-97	SNM-82	Sylcor	May 31, 1961
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*Reviewed
Prepared in accordance with Dept. of Energy...*

cc: K. E. Lauterbach
R. L. Layfield
C. E. MacDonald

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The Martin Company
Baltimore 3, Maryland
Docket 70-58

License SNM-53
Issued - April 5, 1960
Expiration date - April 30, 1963

C H R O N O L O G Y

Feb. 26, 1963 Letter to Martin-Marietta Corp. giving notice that Special Nuclear Material License No. SNM-53 expires on April 30, 1963.

Mar. 28, 1963 Application submitted by the Martin Co. for renewal of License SNM-53 (Application sent to CB on 4/4/63; criticality review completed on 7/19/63).

Mar. 29, 1963 Letter from the Martin Co. transmitting Amendment No. 18 to License SNM-53 entitled "In-Process Storage Box" for special nuclear material.

Apr. 29, 1963 Letter to the Martin Co. referencing their 3/28/63 application and advising that their license will not expire until the application has been finally determined by the Commission.

May 17, 1963 Letter from the Martin Co. furnishing additional information regarding Amendment No. 18.

May 31, 1963 Letter to the Martin Co. referencing their 3/29/63 application and advising that we are not able to continue review of their application since the data presented do not support their conclusion that nuclear safety is assured. They are requested to submit a revised application.

June 7, 1963 Letter from the Martin Co. referencing their 5/17/63 letter and our 5/31/63 letter. Martin requests that we cancel their 5/17/63 submittal and consider only their 3/28/63 letter and this letter as proposed Amendment No. 18.

June 18, 1963 TWX to the Martin Co. amending License SNM-53 to authorize the use of a work box as a storage container at processing and storage locations.

NOTE: Dates of correspondence directly applicable to renewal application are underscored. Other correspondence listed concerns license amendments and compliance matters.

June 25, 1963 Letter from the Martin Co. transmitting drawings of the proposed shipping container for pathfinder fuel elements.

June 25, 1963 Letter from the Martin Co. requesting amendment of License SNM-53 to authorize use of the shipping container for pathfinder fuel elements.

July 15, 1963 Letter from the Martin Co. advising us of fabrication of diodes to be performed under License SNM-53.

July 19, 1963 Letter from the Martin Co. referencing their 6/25/63 letter and transmitting a revised drawing of the shipping container for pathfinder fuel elements.

July 25, 1963 Letter to the Martin Co. in reply to their 7/15/63 letter advising them that amendment of License SNM-53 is not necessary.

July 30, 1963 Letter from the Martin Co. referencing their 6/25/63 letter advising us in regard to the proposed shipment of pathfinder fuel elements from Baltimore to Sioux Falls, S. D.

Sept. 11, 1963 TWX to the Martin Co. advising them that the detailed information concerning commingling control during shipment of pathfinder fuel has not been received.

Oct. 8, 1963 Letter from the Martin Co. referencing proposed Amendment No. 19 and providing us with additional information concerning the shipment of pathfinder fuel assemblies from the Martin Co. to the NSPC in Sioux Falls, S. D.

Oct. 17, 1963 Letter to the Martin Co. authorizing the shipment of pathfinder fuel to the NSPC in Sioux Falls, S. D.

Dec. 3, 1963 Meeting in Bethesda between C. Keller (Martin Co.) F. Durkan and K. Lauterbach to review questions regarding the renewal application.

Jan. 28, 1964 Letter to the Martin Co. requesting additional information regarding their 3/28/63 application for renewal of SNM-53. Based on our discussion dated 12/3/63 we understand they will resubmit their application to provide additional information.

Feb. 14, 1964 Letter from the Martin Co. advising shipping route for excess uranium-bearing material.

Feb. 25, 1964 Letter from the Martin Co. requesting an allocation for 5000 kg of approximately 5% enriched U to be used in fabricating the Floating Nuclear Power Plant (MH-1A).

Mar. 12, 1964 Letter to the Martin Co. requesting additional information regarding their 2/14/64 application to ship air filters containing U-235.

Mar. 20, 1964 Letter from the Martin Co. referencing our 3/12/64 letter and transmitting additional information regarding proposed Amendment No. 20.

Mar. 24, 1964 Letter allocating to the Martin Co. 250 kg U-235 contained in uranium as UF₆, 5% enriched.

Apr. 6, 1964 TWX from the Martin Co. furnishing additional information in regard to Amendment No. 20.

Apr. 1, 1964 Letter from the Martin Co. requesting approval of proposed Amendment No. 21 covering the fabrication steps and control criteria to be employed in the fabrication of a nuclear core of tubular design.

Apr. 8, 1964 TWX to the Martin Co. authorizing shipment of approximately 22 kg of U-235 contained in air filters from Baltimore, Maryland to Erwin, Tennessee.

Apr. 20, 1964 Letter to the Martin Co. referencing their 4/1/64 application and requesting additional information such as maximum quantity of enriched U which they will possess, nuclear safety analysis, etc.

Apr. 24, 1964 Letter from the Martin Co. supplying the additional information requested in our letter of 4/20/64.

Apr. 14, 1964 Letter from the Martin Co. advising us that Charles W. Keller has been appointed Nuclear Accountability and Licensing Representative for the Nuclear Division of the Martin Co.

Apr. 30, 1964 Letter to the Martin Co. acknowledging their 4/14/64 letter.

May 11, 1964 Letter from the Martin Co. referencing Amendment No. 20 to SNM-53 and providing further information in regard to shipment of uranium bearing solutions.

June 1, 1964 TWX from the Martin Co. requesting authorization for shipment of solutions and solid scrap.

May 27, 1964 TWX to the Martin Co. authorizing shipment of 93 drums of U-235 solution.

June 8, 1964 TWX from the Martin Co. submitting additional information in connection with scrap shipment under SNM-53.

June 8, 1964 Letter to the Martin Co. referencing telecon of 5/4/64 and advising that it is our understanding that they will submit additional information concerning storage of incoming shipments.

June 9, 1964 Letter from the Martin Co. submitting additional information in connection with Amendment No. 20 to SNM-53 regarding nuclear safety of the shipping array.

June 11, 1964 TWX to the Martin Co. amending License SNM-53 to authorize shipment of 15 drums of U-235 solution, 21 drums of U-235 powder and tubular fuel scrap, and 6 air filters containing U-235.

June 19, 1964 TWX from the Martin Co. submitted as a revision of request for shipment of scrap to Erwin, Tennessee.

June 23, 1964 TWX to the Martin Co. authorizing two shipments of U-235 scrap from Baltimore, Maryland to Erwin, Tennessee.

July 7, 1964 Letter from the Martin Co. requesting Amendment No. 22 to SNM-53 to include several processing steps previously approved by the NYOO.

July 9, 1964 Letter from the Martin Co. requesting Amendment No. 21 to SNM-53 to authorize fabrication of a nuclear core of tubular design employing approximately 5% enriched uranium dioxide pellets.

July 14, 1964 TWX to the Martin Co. referencing their 7/7/64 application and requesting additional information such as the minimum face velocity maintained at the hood; description of procedures for determining personnel exposures, etc.

July 20, 1964 TWX from the Martin Co. acknowledging our expeditious action on their 7/7/64 application and submitting additional information as requested in our 7/14/64 letter

- Aug. 4, 1964 Letter from the Martin Co. transmitting proposed Amendment No. 21 to SNM-53 revising their nuclear safety evaluations.
- Aug. 12, 1964 TWX to the Martin Co. referencing their 7/20/64 TWX and requesting that they limit the maximum quantity of U-235 in the coating operation to the always safe mass of 350 grams or provide a detailed nuclear safety analysis showing safety of proposed operations.
- Aug. 14, 1964 Letter from the Martin Co. transmitting additional information for Amendment No. 21 to SNM-53 as it relates to using the shipping containers previously described.
- Aug. 19, 1964 Letter from the Martin Co. resubmitting the nuclear safety evaluation for the in-process storage of fuel tubes.
- Aug. 21, 1964 Telephone conversation between C. Keller (Martin Co.) and K. Lauterbach. The Martin Co. advises us that the information requested in our letter dated 1/28/64 will be submitted by 9/15/64.