

COPY

Form AEC-410
(1-61)

UNITED STATES
ATOMIC ENERGY COMMISSION

SOURCE MATERIAL LICENSE

Pursuant to the Atomic Energy Act of 1954, and Title 10, Code of Federal Regulations, Chapter 1, Part 40, "Licensing of Source Material," and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, possess and import the source material designated below; to use such material for the purpose(s) and at the place(s) designated below; and to deliver or transfer such material to persons authorized to receive it in accordance with the regulations in said Part. This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954 and is subject to all applicable rules, regulations, and orders of the Atomic Energy Commission, now or hereafter in effect, including Title 10, Code of Federal Regulations, Chapter 1, Part 20, "Standards for Protection Against Radiation," and to any conditions specified below.

E, III

Licensee 1. Name <u>The Dow Chemical Company</u> 2. Address <u>Midland, Michigan 48640</u>	3. License No. <u>STB-527</u> 4. Expiration Date <u>March 31, 1973</u> 5. Docket No. <u>40-17</u>
--	--

6. Source Material <u>Thorium</u>	7. Maximum quantity of source material which licensee may possess at any one time under this license One hundred thousand (100,000) pounds as metal, ten thousand (10,000) pounds as oxide or fluoride and five hundred (500) pounds as compounds.
--	--

CONDITIONS

8. Authorized use (Unless otherwise specified, the authorized place of use is the licensee's address stated in Item 2 above.)

For use in accordance with the procedures described in the licensee's applications dated February 22, 1962, *incl* March 30, 1962, and February 23, 1968. *incl*

9. Authorized places of use: The licensee's facilities located at:

- a. Bay City, Michigan
- b. Midland, Michigan
- c. Madison, Illinois

10. The licensee is hereby exempt from the requirements of Section 20.203(e)(2) of 10 CFR 20 during the storage and fabrication of magnesium-thorium alloys containing not more than four percent (4%) thorium.

11. Pursuant to Sections 20.106(b) and 20.302 of 10 CFR 20, the licensee is hereby authorized to treat and dispose of licensed material in accordance with the procedures described in his application dated February 23, 1968.

For the U. S. ATOMIC ENERGY COMMISSION

Date of issuance MAR 20 1968

Don F. Harmon
Division of Materials Licensing

* U. S. GOVERNMENT PRINTING OFFICE: 1962 O - 632985

A-16

MAR 25 1968

COPY