



THE DOW CHEMICAL COMPANY

MIDLAND, MICHIGAN 48640

December 29, 1970

For Div of Compliance

Docket No. 40-17

Amend. 1

Mr. Don Harmon
Source and Special Nuclear Materials Branch
Division of Materials Licensing
United States Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Harmon:

This is to request amendment of Dow Source Material License
STB-527 as follows:

- Part 8b: Change "metal" to "metal or sludge from processing"
- 8c: Add "sludge, about 3% thorium by analyses"
- 8d: Change "100,000 pounds" to "200,000 pounds"

Part 8E: Change to 210,500 pounds

The reason for requesting the changes is that plans for reclaiming thorium from sludge have been discontinued because it is uneconomical to do so. The request for changes in quantities and form of thorium will bring our license into conformance with our anticipated needs for the foreseeable future.

Sincerely yours,

W. Otis Heath
Corporate Statistician

Phone: 517 636-5714

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