

# THE HARSHAW CHEMICAL COMPANY

40-6263  
File Copy  
1945 EAST 87TH STREET  
CLEVELAND 6, OHIO  
RANDOLPH 1-8300

January 13, 1961

Mr. J.C. Delaney  
Chief, Licensing Section  
Nuclear Materials Branch  
Atomic Energy Commission  
Washington 25, D.C.

Dear Mr. Delaney:

The Harshaw Chemical Company wishes to obtain a license for purchasing Uranium-Trifluoride. We would need one pound of this material at the present time. If Uranium-Trifluoride is not available we would need Uranium-Tetrafluoride and powdered metal.

This material is to be used in the research of growing Calcium Fluoride synthetic crystals to be used in the Maser device. There would be a concentration of less than one percent of source material in the end crystal.

Film badges developed and evaluated by Nuclear-Chicago are available for determining total exposure. A Cutie Pie, Victoreen Model 740B and a Beckman Model MX-5 are at hand to measure radiation intensities.

The operation would create little dust and virtually no vapors containing uranium.

We are also interested in the cost of this material and a source for purchasing it. Would it be necessary for our customers to have a license to purchase a crystal containing this amount of uranium? A prompt reply to our questions would be appreciated as our Research Department is anxiously awaiting this material to begin their work. Thank you for your attention to this matter.

Very truly yours,

THE HARSHAW CHEMICAL COMPANY

*A. Ayiles*  
Andrew Ayiles  
Security Officer

des

9702270032 970218  
PDR FOIA  
BABCOCK96-529 PDR

B/95

EXPERT SYSTEM LICENSE EVALUATION  
EVALUATION REPORT FOR LICENSE SUB-00052  
Licensee: HARSHAW CHEMICAL COMPANY  
Site of operation: 1945 EAST 97TH STREET, CLEVELAND, OHIO

DESCRIPTION OF ACTIVITY OR FACILITY: LABORATORY/RESEARCH

----- MATERIALS INFORMATION FOR THIS LICENSE -----  
--Information on type and form of materials--  
Material-- --Form--

SOURCE MATERIAL-N.O.

Loose material

For evaluation purposes, amounts of the following materials were obtained

---Material---	--Form--	Amount	Unit	Score
SOURCE MATERIAL-N.O.	LOOSE	1.	LB	0.0

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1. The loose materials on this license were not significant, and the site was eliminated from consideration on this basis.

FINAL DECISION FOR LOOSE MATERIALS:

POTENTIAL SITE CONTAMINATION:

ELIMINATED FROM CONSIDERATION FOR SITE CONTAMINATION

Reason for elimination: LOW SCORE OF MATERIALS

EXPERT SYSTEM EVALUATION WAS BASED ON THE  
INVENTORY RECORD IN JOB 1700, BOX 16

Docket 40-06263

Licensee: HARSHAW CHEMICAL COMPANY

Address: 1945 EAST 97TH STREET, CLEVELAND 6, OHIO Zip:

State of operation: OH

Site used: 1945 EAST 97TH STREET, CLEVELAND, OHIO

Disposition information present: NO DISPOSITION INFORMATION GIVEN

This license was listed as expired on 01/31/62

Remarks:

JOB NUMBER: 1700

BOX NUMBER: 16

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Date of last evaluation or revision: 10/05/93

Reviewer: BWK

B/94