

FORM 4-47 AEC-2

UNITED STATES OF AMERICA  
ATOMIC ENERGY COMMISSIONForm approved  
Budget Bureau No. 38-R002.2.APPLICATION FOR AEC LICENSE TO  
TRANSFER, DELIVER, EXPORT, OR RECEIVE  
URANIUM OR THORIUM SOURCE MATERIALPursuant to Code of Federal Regulations, Title 10—  
Atomic Energy, Part 40—Control of Source MaterialTO: U. S. Atomic Energy Commission,  
P. O. Box 98, Ansonia Station,  
New York 23, N. Y.Washington, D.C.  
Attn: Licensing2. NAME  
AND  
ADDRESS  
OF  
APPLICANT  
(Street,  
city,  
state)The Harshaw Chemical Company  
1945 East 97th Street  
Cleveland 6, Ohio  
Attention: Mr. H. C. Homberg

2. PREVIOUS AEC LICENSE NUMBER, IF ANY.

D,167

## INSTRUCTIONS

File two (2) copies of this application with the U. S. Atomic Energy Commission, P. O. Box 98, Ansonia Station, New York 23, N. Y. This application may be used for an original license or for the renewal of a license. In the case of a renewal, this application should be received by the Commission on or before 30 days before the expiration of the previous license. Complete blocks 1, 2, 3, 9, and if you combine two or more of the activities of Producer, Processor, Distributor, Exporter, or Consumer, complete each of the applicable blocks numbered 4 through 8.

3. INVENTORY. INVENTORY OF SOURCE MATERIAL, RAW AND REFINED, AS OF May 1, 1957

(Specify date of last inventory)

INSTRUCTION—Include all source material in your possession or under your control, regardless of location. Include any source material you have possession of but which is owned by others, whether or not they are licensees of the Commission. Please specify that part of your inventory which is owned by other persons, listing the names, addresses, and quantities owned by each. Do not include in this inventory any raw source material not yet removed from its place of deposit in nature.

## (a) Raw Source Material

DESCRIPTION OF MATERIAL	ESTIMATED PERCENT URANIUM OR THORIUM	QUANTITY IN INVENTORY (Gross tons)	NAME AND ADDRESS OF OWNER, IF DIFFERENT FROM THAT IN BLOCK 1 ABOVE

## (b) Refined Source Material

DESCRIPTION OF MATERIAL	GRADE (Comm., CP, USP, etc.)	PERCENT OF URANIUM OR THORIUM	QUANTITY (Lb.)	NAME AND ADDRESS OF OWNER, IF DIFFERENT FROM THAT IN BLOCK 1 ABOVE
Uranium Acetate	Reagent	56%	17.48	
" Nitrate	"	47%	5.94	
" Oxide	Tech	82%	0.75	
Sodium Uranate	"	70%	8.75	
Thorium Nitrate	"	42%	3.44	
" Containing Catalyst		5%	248.00	

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4. **PRODUCERS.** (*Miners of uranium and thorium containing ores and gravels*) ☐ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO TRANSFER AND DELIVER SOURCE MATERIAL AFTER ITS REMOVAL FROM ITS PLACE OF DEPOSIT IN NATURE, CHECK THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN THIS BLOCK AS WELL AS THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

[illegible]

1. 1000 Harvard Avenue Cleveland, Ohio

2. 10064 Chester Avenue " "

3. 113/ John Street Elyria, Ohio

4

6. **DISTRIBUTORS.** ☐ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO RECEIVE SOURCE MATERIAL FOR RESALE ONLY, WITHOUT ANY INTERMEDIATE PROCESSING CHECK THIS BOX AND COMPLETE BLOCKS 1, 2, 3, AND 9.

DESCRIPTION OF SOURCE MATERIAL TO BE USED	ESTIMATED ANNUAL REQUIREMENTS  (Lb.)	USES
		INDICATE WHETHER (1) AS ANALYTICAL REAGENT (2) FOR INCANDESCENT MATERIALS (3) MEDICINAL OR (4) OTHER. IN THE CASE OF OTHER USES, DESCRIBE THE PRODUCT, THE SOURCE MATERIAL CONTENT, AND THE MANNER IN WHICH THE PRODUCT WILL BE USED.
Uranyl Nitrate	4	Analytical Reagent
" Acetate	20	" "
Thorium Nitrate	4	" "
" "	40	Manufacture of Catalyst

Name and address of each of your agents who for your account will prepare Department of Commerce "Shipper's Export Declaration" (Form 7525-V), will request permission to export on Form AEC-7, and will ship source material.

ADDRESS

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION AND AGREEMENT ON BEHALF OF THE APPLICANT (1) CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT; (2) CERTIFY THAT ALL INFORMATION CONTAINED IN THIS APPLICATION IS TRUE AND COMPLETE TO THE BEST OF THEIR KNOWLEDGE AND BELIEF; AND (3) AGREE THAT IN THE EVENT THAT THIS APPLICATION IS APPROVED BY THE ATOMIC ENERGY COMMISSION, AND A LICENSE IS ISSUED, THAT THE DULY AUTHORIZED REPRESENTATIVES OF THE COMMISSION MAY FREELY INSPECT AT ALL REASONABLE TIMES FACILITIES AND RECORDS, TAKE SAMPLES FOR ASSAY, AND DO SUCH OTHER THINGS AS WILL, IN THE OPINION OF THE COMMISSION, ASSURE THAT ALL SOURCE MATERIAL HANDLED BY THE APPLICANT UNDER THE AUTHORITY OF HIS LICENSE, IS PROPERLY ACCOUNTED FOR AND USED.

May 31, 1957

(Date)

BY

Assistant Controller

(Signature of applicant)

(Title)

Section 35 (A) of the United States Criminal Code, 18 U. S. C. Sec. 80, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

(FOR GOVERNMENT USE ONLY)

UNITED STATES OF AMERICA  
ATOMIC ENERGY COMMISSION

LICENSE NO. \_\_\_\_\_

SOURCE MATERIAL LICENSE

State of Ohio,  
Subscribed and sworn to (or attested) before  
me this 3rd day of June, 1957.

S. L. Solosky

S. L. SOLOSKY, Notary Public  
My Commission Expires Aug. 25, 1959