

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 30, Ansonia Station,
New York 23, N. Y.1. NAME
AND
ADDRESS
OF
APPLICANT
(Street,
city,
zone,
state)Union Carbide Nuclear Company
A Div. of Union Carbide and Carbon Corp.
30 East 42nd Street
New York 17, New York

2. PREVIOUS AEC LICENSE NUMBER, IF ANY.

R-105

INSTRUCTIONS

File two (2) copies of this application with the U. S. Atomic Energy Commission, P. O. Box 30, 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 January 31, 1956
(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
Uravan-Vanadium(Carnotite) Ore	Est. 0.25% U308	72,928.46	
Rifle - Vanadium Ores	"	15,288.26	
Thompson, Utah-Vanadium Ores	"	17,826.16	

(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
Sodium Diuranate	Comm.	Approx. 86.0% U308	-0-	RELI O/I

THIS DOCUMENT HAS BEEN DECLASSIFIED UNDER
THE PROVISIONS OF EO 12958, DATED 4/17/95By Authority of EG Ten Eyck #0776
(Declassification Authority/Number)Date of Declassification 8/13/96

200056

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.

NAMES OF OPERATING PROPERTIES <i>(Show number of claims included on each property)</i>	LOCATIONS <i>(Mining district and county)</i>	NAMES AND ADDRESSES OF OWNERS IF DIFFERENT FROM APPLICANT	ESTIMATED QUANTITY OF ORE TO BE PRODUCED IN NEXT 12 MONTHS	ESTIMATED PERCENT URANIUM OR THORIUM
<div data-bbox="498 493 787 523" style="text-align: center;">SEE ATTACHED</div>				
<div data-bbox="940 774 1315 1149" style="text-align: right; margin-right: 50px;"> <p> RECEIVED APR 16 1956 U. S. Atomic Energy Commission Division of Civilian Applications </p> </div>				



5. PROCESSORS. ☒ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO CHEMICALLY PROCESS SOURCE MATERIAL, CHECK THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN THIS BLOCK, AS WELL AS THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

(a) THE APPLICANT CHEMICALLY PROCESSES SOURCE MATERIAL IN PLANTS LOCATED AT: (These plants include all of the plants in which the applicant will process source material under the terms of any license issued by the Commission.)

1. Uravan, Montrose County, Colorado
2. Rifle, Garfield County, Colorado
- 3.
- 4.

(b) IN THE EVENT RESIDUES AND TAILINGS ARE TO BE DISCARDED PLEASE DESCRIBE THESE RESIDUES AND TAILINGS, THE FREQUENCY OF DISCARDS, THE PROBABLE SOURCE MATERIAL CONTENT AND THE REASONS FOR NOT CONSERVING THE MATERIAL.

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.

7. CONSUMERS. ☐ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO USE SOURCE MATERIAL IN CHEMICAL ANALYSIS OR IN THE MANUFACTURE OF, OR FOR INCORPORATION IN, ANY PRODUCT, CHECK THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN THIS BLOCK AS WELL AS THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

DESCRIPTION OF SOURCE MATERIAL TO BE USED	ESTIMATED ANNUAL REQUIREMENTS	USES
	(Lb.)	INDICATE WHETHER (1) AS ANALYTICAL REAGENT, (2) FOR INCANDESCENT MAN- TLES, (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.

8. EXPORTERS. ☐ IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO EXPORT SOURCE MATERIAL, CHECK THIS BOX AND SUPPLY THE BALANCE OF THE INFORMATION REQUESTED IN THIS BLOCK AS WELL AS THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9. (Note that approval on Form AEC-7 is required for each individual export transaction.)

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.

NAME OF AGENT	ADDRESS

9. CERTIFICATION AND AGREEMENT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION AND AGREEMENT ON BEHALF OF THE APPLICANT (1) CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH THE REGULATIONS, TITLE 11-ATOMIC ENERGY, PART 4, OF THE FEDERAL REGISTER, AND (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 AUTHORIZED REPRESENTATIVES OF THE COMMISSION MAY 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.

Union Carbide and Carbon Company, A Div.
of Union Carbide and Carbon Corporation

BY *O.F. Holmgren*
(Signature of applicant)

April 12, 1956

(Date)

O.F. Holmgren - Vice President

(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
SOURCE MATERIAL LICENSE

LICENSE NO. _____

New York

New York

13th

April 5th

E. Madelyn Carpenter

E. MADELYN CARPENTER
Notary Public, State of New York
No. 60-0574900
Qualified in Westchester County
Certificate filed in New York County
Commission Expires March 30, 1957

MINING CLAIMS

Name of Claim Group	Number Claims in Group	Mining Districts		County	State
		County & State Records	Designated by AEC		
Anomaly	72	Unorganized	Sugarloaf	Moffatt	Colorado
Airfield	5	Hydraulic	Uravan	Montrose	Colorado
Basin	80	Unorganized	Bull Canyon	Montrose	Colorado
Bitter Creek	2	Vixen	Uravan	Montrose	Colorado
Bull Canyon	160	Bull Canyon	Bull Canyon	**Montrose	Colorado
Bull Canyon	9	Bull Canyon	Bull Canyon	**San Miguel	Colorado
Bull Pen	57	Slick Rock	Slick Rock	San Miguel	Colorado
Burro Canyon	197	Lower San Miguel	Slick Rock	San Miguel	Colorado
Chord	0	Unorganized	-	Fall River	So. Dak.
Club	40	Vixen	Uravan	Montrose	Colorado
Coal Bed Canyon	6	Unorganized	Cortez	San Juan	Utah
Dolores	60	Hydraulic	Uravan	Montrose	Colorado
Gypsum Valley	72	Lower San Miguel	Gypsum Valley	San Miguel	Colorado
Horseshoe Canyon	117	Unorganized	Cortez	San Juan	Utah
Horse Range	212	Slick Rock	Slick Rock	San Miguel	Colorado
Jack Rabbit	16	Vixen	Uravan	Montrose	Colorado
Jo Dandy	34	East Paradox	Bull Canyon	Montrose	Colorado
Julian	27	Vixen	Uravan	Montrose	Colorado
La Sal Creek	28	Unorganized	Paradox	Montrose	Colorado
Lion Creek	29	Unorganized	Paradox	Montrose	Colorado
Long Park	109	Vixen	Uravan	Montrose	Colorado
Lumsden	25	Gateway	Gateway	Mesa	Colorado
McCoy	5	Unorganized	Thompson	Grand	Utah
Martin-Coefield (Watt)	13	Lower San Miguel	Slick Rock	San Miguel	Colorado
Mesa Creek	16	Hydraulic	Uravan	Montrose	Colorado
Mexico	15	Lower San Miguel	Bull Canyon	San Miguel	Colorado
Monogram	91	East Paradox	Bull Canyon	Montrose	Colorado
Montezuma Canyon	2	Unorganized	Cortez	San Juan	Utah
Monument Canyon	2	Unorganized	Cortez	San Juan	Utah
Outlaw	33	Gateway	Gateway	Mesa	Colorado
Placer Claims	4	Vixen	Uravan	Montrose	Colorado
Polar Mesa	110	Polar Mesa	Gateway	Grand	Utah
Rifle	56	Rifle Creek	Rifle	Garfield	Colorado
Rock Raven	6	Hydraulic	Uravan	Montrose	Colorado
Sage Brush	6	Hydraulic	Uravan	Montrose	Colorado
Saucer Basin	48	Vixen	Uravan	Montrose	Colorado
Savage	21	Vixen	Uravan	Montrose	Colorado
Siobon Valley	20	Unorganized	Monticello	San Juan	Utah

Mining Claims (Cont'd)

Shamrock	10	Vixen	Uravan	Montrose	Colorado
Snyder-Dunning	89	Lower San Mig- uel	Slick Rock	San Miguel	Colorado
Thunderbolt	169	East Paradox	Bull Canyon	Montrose	Colorado
Uranium Peak	38	Uranium Peak	Meeker	Rio Blanco	Colorado
Uravan Mill Sites	98	Vixen	Uravan	Montrose	Colorado
Wild Cat	7	Hydraulic	Paradox	Montrose	Colorado
Wright	46	Hydraulic	Uravan	Montrose	Colorado
Yellow Spot	2	Lion Creek	Paradox	Montrose	Colorado

NOTE: (1) In addition to ore from the above company-owned properties, various amounts of carnotite ore has been purchased from independent claim owners in Colorado, Utah and Arizona, Ore has also been produced from properties in the above areas, owned by independents and leased to the applicant.

(2) A number of the above named claims are now in production; others are being prepared fro production. Because of the nature of deposition and operation, it is impossible to estimate yearly production at this time for any claims or group of claims listed.

* Including Stone Claims

** Two of which are in both San Miguel and Montrose Counties