

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.Washington, D. C.
Atomic Licensing
Branch

2. PREVIOUS AEC LICENSE NUMBER, IF ANY.

P-3757; C-2686

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.

1. NAME
AND
ADDRESS
OF
APPLICANT
(Street,
city,
zone,
state)Phillips Petroleum Company
Bartlesville
Oklahoma

3. INVENTORY. INVENTORY OF SOURCE MATERIAL, RAW AND REFINED, AS OF

November 13, 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
Uranium ore	0.20 U ₃ O ₈	200 lbs.	
Natural ore, radioactive, but composition unknown	unknown	20-30 lbs.	

(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 and thorium used in applicant's operations as Contractor to the Government at National Reactor Testing Station, Arco, Idaho. Information as to grades, percentages and quantities classified, but available from Commission's records.				United States of America (Atomic Energy Commission)
9806150312 571115 PDR ADOCK 04008907 C PDR				
Uranium nitrate	--	--	3 lbs.	same
Thorium oxide	--	--	200 gms.	same



SOURCE MATERIAL LICENSE

UNITED STATES OF AMERICA
ATOMIC ENERGY COMMISSION

LICENSE NO. _____

(FOR GOVERNMENT USE ONLY)

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.

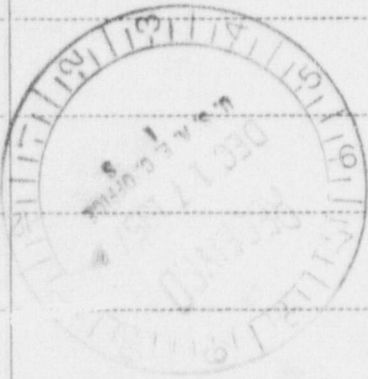
November 15, 1957
(Date)

Vice President
(Title)

R. W. Thomas
(Signature of applicant)

PHILLIPS PETROLEUM COMPANY

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 CODE OF FEDERAL REGULATIONS, TITLE 10-ATOMIC ENERGY, PART 40-CONTROL OF SOURCE MATERIAL; (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.



0.36%

402,000 tons

same

Sect. 28, Twp. 14N,
R. 9 W, Ambrosia Lake
Mining District,
McKinley County, New
Mexico

Ann Lee Mine --
36 claims

ESTIMATED
QUANTITY OF ORE TO
BE PRODUCED IN
NEXT 12 MONTHS
PERCENT
THORIUM

ESTIMATED QUAN-
TITY OF ORE TO
BE PRODUCED IN
NEXT 12 MONTHS

NAMES AND ADDRESSES OF OWNERS IF DIFF-
FERENT FROM APPLICANT

LOCATIONS
(Mining district and county)

NAMES OF OPERATING PROPERTIES
(Show number of claims included on each property)

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.

1. Applicant's Ambrosia Mill -- 28-14N-9-W, McKinley County, New Mex. Lco. Mill now under construction, authorized by AEC -- Phillips Petroleum Company contract No. AT(05-1)-737

Mill residue and tailings will be principally sand and will be discarded continuously. They will contain approximately 0.005 to 0.0234% U_3O_8 . This minute loss is typical of efficient milling operations.

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.

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-1 is required for each individual export transaction.)

NAME OF AGENT

ADDRESS

40-1822

PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA

RESEARCH AND DEVELOPMENT DEPARTMENT

RESEARCH PLANNING BOARD
CHEMICAL PATENT DIVISION
RESEARCH DIVISION
PROCESS DEVELOPMENT DIVISION
MARKETING DEVELOPMENT DIVISION
PROPERTY DIVISION

November 26, 1957

Application for AEC License to
Transfer, Deliver, Export, or
Receive Uranium or Thorium
Source Material

File: 1-HI-601-577P

Mr. Agall Johnson
Chief, Licensing Branch
Division of Civilian Application
Atomic Energy Commission
Washington, 25, D. C.

Dear Mr. Johnson:

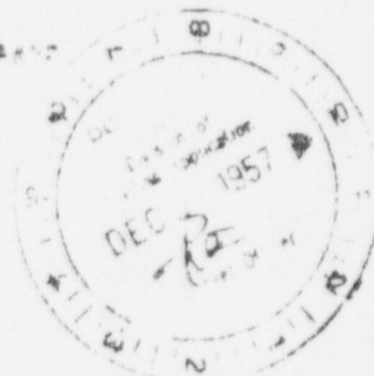
Attached are four copies of Form AEC-2, Application for AEC License to Transfer, Deliver, Export, or Receive Uranium or Thorium Source Material, for Phillips Petroleum Company, Bartlesville, Oklahoma, which have been executed by Mr. E. W. Thomas, Vice President of Phillips Petroleum Company.

This application pertains to our activities in the Anstrosia Lake area of New Mexico and they include mining and processing of uranium ore and the sale of the final product, uranium concentrate U₃O₈, to the United States Atomic Energy Commission per our contract AF(04-1)-37 between Phillips Petroleum Company and the Atomic Energy Commission.

Your copy of each of the application will be appreciated.

Very truly yours,

T. K. Dix
Vice President



9806150309 1P.

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(Specify date of last inventory)

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(a) Raw Source Material

DESCRIPTION OF MATERIAL	ESTIMATED PERCENT URANIUM OR THORIUM	QUANTITY IN INVENTORY (Gross total)	NAME AND ADDRESS OF OWNER, IF DIFFERENT FROM THAT IN BLOCK 1 ABOVE
Uranium ore	0.30 %	200 lbs.	
Natural ore, radioactive, but composition unknown	unknown	20-30 lbs.	

(b) Refined Source Material

DESCRIPTION OF MATERIAL	GRADE (U.S.A., U.P., U.S.P., etc.)	PERCENT OF URANIUM OR THORIUM	QUANTITY (Lb.)	NAME AND ADDRESS OF OWNER, IF DIFFERENT FROM THAT IN BLOCK 1 ABOVE
Uranium and thorium used in applicant's operations as Con- tractor to the Government at National Reactor Testing Station, Arco, Idaho. Information as to grades, percentages and quantities classified, but available from Commission's records.				United States of America (Atomic Energy Commission)
Uranium nitrate	--	--	3 lbs.	same
Thorium oxide	--	--	200 gms.	same

1

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.)

Applicant's Ambrosia Mill -- 28-14N-9-W, McKinley County, New Mexico. Mill now under construction, authorized by AEC -- Phillips Petroleum Company contract No. AT(05-1)-737

(b) IF 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.

Mill residues and tailings will be principally sand and will be discarded continuously. They will contain approximately 0.005 to 0.023% U_3O_8 . This minute loss is typical of efficient milling operations.

DISTRIBUTORS.

IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO CHEMICALLY PROCESS MATERIAL TO BE DISTRIBUTED WITHOUT ANY INTERMEDIATE PROCESSING CHECK THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

COMMENTS.

IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO CHEMICALLY PROCESS MATERIAL TO BE DISTRIBUTED WITHOUT ANY INTERMEDIATE PROCESSING CHECK THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

IF YOU REQUEST AN ATOMIC ENERGY COMMISSION LICENSE TO CHEMICALLY PROCESS MATERIAL TO BE DISTRIBUTED WITHOUT ANY INTERMEDIATE PROCESSING CHECK THIS BOX AND SUPPLY THE INFORMATION REQUESTED IN BLOCKS 1, 2, 3, AND 9.

5. CERTIFICATION AND AGREEMENT. THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION AND AGREEMENT IN BEHALF OF THE APPLICANT (1) CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH CODE OF FEDERAL REGULATIONS, TITLE 10-ATOMIC ENERGY, PART 40-CONTROL OF SOURCE MATERIAL, (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.

PHILLIPS PETROLEUM COMPANY

BY *R. W. Thomas*
R. W. Thomas

(signature of applicant)

Vice President

November 15, 1957

(Date)

Section 35 (A) of the United States Criminal Code, 18 U. S. C. Sec. 86, 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.

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