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SOURCE MATERIAL LICENSE

License No. R-132

Effective: April 1, 1956

THE OF THE

Rare Earths, Inc. Box 488 Pompton Plains, New Jersey

Attention: Mr. Richard L. Stone

Gentlemen:

Pursuant to the Atomic Energy Act of 1954 and Section 40.21 of the Code of Federal Regulations, Title 10 - Atomic Energy, Chapter 1, Part 40 - Control of Source Material, you are hereby authorized:

To receive possession of and title to unlimited quantities of rew source material (solely monazite sand) during the term of this license, from producers and distributors licensed by the Atomic Energy Commission and through importation, for processing only.

To transfer and deliver possession of and title to raw and refined source material, to any person licensed by the Atomic Energy Commission, within the limits of his license.

In transactions which are exports from the United States, each such transaction shall have prior authorization, regardless of quantity, which may be applied for on form AEC-7, in triplicate.

As a condition of issuance of this license, you are required to report your inventories, processing and receipts and deliveries of raw and refined source material on Form AEC-4, periodically, in accordance with the instructions on the form.

Neither this license nor any right under this license shall be assigned or otherwise transferred in violation of the provisions of the Atomic Energy Act of 1954.

This license is subject to the right of recapture or control reserved by Section 108 of the Atomic Energy Act of 1954, and to all of the other provisions of said Act, now or hereafter in effect and to all valid rules and regulations of the U. S. Atomic Energy Commissio.

This license shall expire April 1, 1957.

FORM AEC-4

ITED STATES OF AMERICA ATOMIC ENERGY COMMISSION

FORM APPROVED. BUDGET BUREAU NO. 58-R0014.

1. PROCESSOR'S NAME

A-10

MONTHLY REPORT OF PROCESSORS OF URANIUM AND THORIUM SOURCE MATERIALS

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

To: U. S. Atomic Energy Commission, P. O. Box 30, Ansonia Station, New York 23, N. Y.

RARE EARTHS. INC.

ADDRESS

P.O.Box 488, Pompton Plains, NJ AEC LICENSE No.

R-132

2. REPORT FOR MONTH OF May - 1956

Instructions.—File two (2) copies of this report with the U.S. Atomic Energy Commission, P.O. Box 30, Ansonia Station, New York 23, N.Y., not later than 15 days after the end of each month in which you transferred, delivered, or held possession of or title to any source material. Inventory means all source material in your possession or to which you have title, regardless of location.

- 3. Summary of receipts, deliveries, and inventories of source material during the month. (The entries for "Receipts" and "Deliveries" below should be the totals of transfers of each grade of source material. List in block 5 on the reverse side each receipt form and delivery to others included in these totals.)
 - (i) Raw source material (excluding residues and tailings).

Figures are reported in Short Tons (Specify unit of measure).

Typewage	RECEIPTS FROM		DELIVER	H. T. C. C.	
BEGINNING OF MONTE (b)	OWN PRODUC- TION AND PURCHASES (c)	Total (b) and (c)	Process (e)	Others (f)	INVENTORY END OF MONTH
99.53		99.53	21.25		78.28
	OF MONTE (b)	BEGINNING OF MONTE (b) OWN PRODUCTION AND PUBCHASES (c)	BEGINNING OF MONTH (b) OWN PRODUCTION AND PURCHASES (c) TOTAL (b) and (c)	INVENTORY BEGINNING OF MONTH (b) OWN PRODUCTION AND PURCHASES (c) TOTAL (b) and (c) Process (d) (e)	BEGINNING OF MONTH (b) OWN PRODUCTION AND PURCHASES (c) TOTAL (b) and (c) Process Others (d) (e) (f)

(ii) Residues and tailings.

Figures are reported in Lbs. ThO, (Specify unit of measure).

	INVENTORY		1		DELIVES	HES TO:	
DESCRIPTION OF RAW SOURCE MATERIAL AND URANIUM AND THORIUM CONTENT (6)	BEGINNING OF MONTH (b)	PROCESS (c)	FROM OTEERS (d)	TOTAL (b) and (c) and (d)	Process	Others (g)	INVENTORY END OF MONTH
Thorium Sludge	28,214	2.234		30.448	1,341		29,107
		************	**************				

(iii) Refined source material. Figures are reported in

Lbs. Tho (Specify unit of measure).

	Turrumona				DELIVE		
DESCRIPTION OF REFINED SOURCE MATERIAL AND URANTUM AND THORIUM CONTENT (a)	INVENTORY BEGINNING OF MONTE (b)	RECEIPTS PROCESS (c)	FROM OTHERS (d)	TOTAL (b) and (c) and (d) (e)	Further Processing (f)	Others (g)	INVENTORY END OF MONTH
Refining Process	3,055	1.341		4,396			4,396
Finished Stock	9,946			9,946		4.082	5,864
•		***************************************					A 4 -

(iv) Source material in process.

Estimated uranium and thorium content in inventory.

At beginning of month 9,143 At end of month 5,758

Form AEC-4 (3-47)	the spirit of the section of the sec	
4. CERTIFICATION.—The licensee and any agent and is prepared in conformity with Code of Federal Reconditions of the AEC license specified in block 1, to the best of their knowledge and belief.	above, and that all the information contained	netwol of Control Mineral I
By Richa OM Mendl (Signsture of authorized official)	Vice President	6/1/56 (Bate)

or representation to any department or agency of the United States as to any matter within its jurisdiction.

5. Statement of each receipt and delivery of source material during the month.

Report each receipt or delivery of source material during the month, grouping together all transfers of one grade under the heading "Receipts" or "Deliveries." Do not include here the details of "Deliveries to process" or "Receipts from process." The totals of receipts from and deliveries to others of any one grade (column (f)) must agree with the total for that grade shown in block 3.

DESCRIPTION OF URANTER AND THEFTING	RECEIVED FROM OR D	ELIVERED TO:	1		La Harri	
Description of Uranium and Thorium (Material and Grade) (a)	Names and Addresses (b)	AEC License Nos.	UNIT OF MEASURE (d)	QUANTITY (e)	TOTAL FOR EACH GRADE	FOR AEC USE ONL
Thorium Oxide	Dominion Magnes: Haley,Ontario Canada	3-31117-8		4,000	J,	
Thorium Nitrate	Hexagon Lab. 3536 Peartree Av Bronx 66, N.Y.	re.	Lbs.			
•						
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FORM AEC-4

HITED STATES OF AMERICA ATOMIC ENERGY COMMISSION

FORM APPROVED. BUDGET BUREAU NO. 38-R0014.

1. PROCESSOR'S NAME

MONTHLY REPORT OF PROCESSORS OF URANIUM AND THORIUM SOURCE MATERIALS

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

To: U. S. Atomic Energy Commission, P. O. Box 30, Ansonia Station, New York 23, N. Y.

Rare Earths, Inc. ADDRESS.

P.O. Box 488, Pompton Plains NJ AEC LICENSE NO.

R-132

2. REPORT FOR MONTH OF

June. 1956

Instructions.—File two (2) copies of this report with the U. S. Atomic Energy Commission P. O. Box 30, Ansonia Station, New York 23, N. Y., not later than 15 days after the end of each month in which you transferred, delivered, or held possession of or title to any source material. Inventory means all source material in your possession or to which you have title, regardless of location.

- 3. Summary of receipts, deliveries, and inventories of source material during the month. (The entries for "Receipts" and "Deliveries" below should be the totals of transfers of each grade of source material. List in block 5 on the reverse side each receipt form and delivery to others included in these totals.)
 - (i) Raw source material (excluding residues and tailings).

Figures are reported in Short Tons

.. (Specify unit of measure).

	1	RECEIPTS FROM	* * *	DELIVE	BIES TO:		
DESCRIPTION OF RAW SOURCE MATERIAL AND URANIUM AND THORIUM CONTENT (a)	INVENTORY BEGINNING OF MONTH (b)	OWN PRODUC- TION AND . PURCHASES (c)	Total (b) and (c) (d)	· Process	Others (f)	INVENTORY END OF MONTE	
Monazite	78.28	29.6	107.88	25.	***************************************	82.88	
*							

(ii) Residues and tailings.

Figures are reported in Lbs. ThO2 (Specify unit of measure).

					DELIVER		
DESCRIPTION OF RAW SOURCE MATERIAL AND URANIUM AND THORIUM CONTENT; (6)	INVENTORY BEGINNING OF MONTE (b)	PROCESS (c)	FROM OTHERS	TOTAL (b) and (c) and (d)	Process (f)	Others (g)	INVENTORY END OF MONTH
Thorium Sludge	29,107	2,091		31,198	1,535		29,663
T. K. L.							

(iii) Refined source material. Figures are reported in

Lbs. Th02 (Specify unit of measure).

	INVENTORY				DELIVER		
DESCRIPTION OF REFINED SOURCE MATERIAL AND URANIUM AND THORIUM CONTENT (c)	BEGINNING OF MONTE (b)	RECEIPTS PROCESS (c)	FROM OTHERS (d)	Total (b) and (c) and (d)	Further Processing (f)	Others (g)	INVENTORY END OF MONTH (A)
Refining Process	4,396	1,535		5,931	2,077		3.854
Finished Stock	5,864	2,077				23	7,918
•						* * * * *	************

(iv) Source material in process.

Estimated uranium and thorium content in inventory.

At beginning of month 5, 758

At end of month

6,301

Form AEC-4 (3-47)						
4. CERTIFICATION.—The licensee a is prepared in conformity with conditions of the AEC licenses to the best of their knowledge at the best of their knowledge.	pecified in block 1, above, and and belief.			ontrol of S		
Section 25 (a) of the United State	- Galarian Carlo 10 N C C C					
Section 35 (a) of the United State or representation to any departn	ment of agency of the United S	States as to any matt	ninal offense er within its	to make a s jurisdiction	willfully false	statement
5. Statement of each receipt and o	delivery of source material dur	ing the month.				
Report each receipt or delivery "Receipts" or "Deliveries." Deliveries of receipts from and deliveries to						
DESCRIPTION OF URANIUM AND THORIUM	RECEIVED FROM OR DE	LIVERED TO:	UNIT OF		Ton., 200	Pop
(Material and Grade) (a)	Names and Addresses	AEC License Nos.	MEASURE (d)	QUANTITY (e)	TOTAL FOR EACH GRADE	FOR AEC USE ONLY
Thorium Nitrate	U.S.Naval Ammunition Depo- Crane, Ind.	c-3526	Lbs.	50		(6)
Monazite Sand	W.R. Grace & Co Hanover Square New York, N.Y.	*****************	Tons	29 •	4	***************************************
		*			*************	**************

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	(-	CENTITION OF SECTION O	(3)			

(If necessary, attach additional sheets, using the same grouping of columns (a) through (g))

FORM AEC-4

UNITED STATES OF AMERICA ATOMIC ENERGY COMMISSION

FORM APPROVED. BUDGET BUREAU NO. 58-R0044.

1. PROCESSOR'S NAME

MONTHLY REPORT OF PROCESSORS OF URANIUM AND THORIUM SOURCE MATERIALS

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

To: U. S. Atomic Energy Commission, P. O. Box 30, Ansonia Station. New York 23, N. Y.

P.O.Box 488, Pompton Plains, N.J. AEC LICENSE NO.

Rare Earths, Inc.

R - 132

2. REPORT FOR MONTH OF

July. 1956

Instructions.—File two (2) copies of this report with the U.S. Atomic Energy Commission, P. O. Box 30, Ansonia Station, New York 23, N. Y., not later than 15 days after the end of each month in which you transferred, delivered, or held possession of or title to any source material. Inventory means all source material in your possession or to which you have title, regardless of location.

- 3. Summary of receipts, deliveries, and inventories of source material during the month. (The entries for "Receipts" and "Deliveries" below should be the totals of transfers of each grade of source material. List in block 5 on the reverse side each receipt form and delivery to others included in these totals.)
 - (i) Raw source material (excluding residues and tailings).

Figures are reported in Short Tons

.........(Specify unit of measure).

Minusian di La Calabara da Calabara	INVENTORY	RECEIPTS FROM		DELIVER		
DESCRIPTION OF RAW SOURCE MATERIAL AND URANIUM AND THORIUM CONTENT (6)	BEGINNING OF MONTE (b)	OWN PEODUC- TION AND PURCHASES (c)	Total (b) and (c)	Process (e)	Others (f)	INVENTERY END OF MONTH (g)
Monazite	82.88	*************	82.88	10.5		72.38
*						
						frii bleen

(ii) Residues and tailings. Figures are reported in Lbs. ThO2 (Specify unit of measure).

	INVENTORY PROTECTION			DELIVER			
DESCRIPTION OF RAW SOURCE MATERIAL AND URANTUM AND THORIUM CONTENT. (a)	BEGINNING of Month (b)	PROCESS (c)	FROM OTHERS (d)	TOTAL (b) and (c) and (d)	Process (f)	Others (g)	INVENTORY END OF MONTH (A)
Thorium Sludge	29,663	1,032		30,695	947		29,748.
		*********				**********	

(iii) Refined source material. Figures are reported in

Lbs. Th0 (Specify unit of measure).

INVENTORY END OF MONTH
4,801
7,915

-(iv) Source material in process.

Estimated uranium and thorium content in inventory.

At beginning of month 6,301 At end of month 4,737

Form AEC-4 (3-47)						
4. CERTIFICATION.—The licensee is prepared in conformity with	Code of Federal Regulations, ti	tle 11. Atomic Energy	y, part 40, C	control of Se	ource Materi	al, and the
By Pole & H. Mr. (Signature of authorize		t Superinten	dent		8/14/	56
Section 35 (a) of the United State or representation to any depart	es Criminal Code, 18 U. S. C. S	ec. 80, makes it a crin	inal offense er within its	to make a v jurisdiction	willfully false	statement
5. Statement of each receipt and	delivery of source material dur	ing the month.				
Report each receipt or delivery "Receipts" or "Deliveries." of receipts from and deliveries	of source material during the r Do not include here the details to others of any one grade (co	month, grouping toget s of "Deliveries to pro- lumn (f)) must agree	her all trans ocess" or "R with the tot	fers of one g eceipts from al for that	rade under t n process." grade shown	he heading The totals in block 3.
Description of Unanten and Teorium (Material and Great) (a)	RECEIVED FROM OB DS Names and Addresses (b)	AEC License Nos.	UNIT OF MEASURE (d)	QUANTITY (e)	TOTAL FOR EACH GRADE	FOR AEC USE ONLY
	Eastman Kodak Co. Purchasing Dept.		-			
Thorium Oxide	Rochester 4, N.Y.	IN CONTRACTOR OF THE PROPERTY OF THE PROPERTY OF	Lbs.	3		************

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(If necessary, attach additional sheets, using the same grouping of columns (a) through (g))