



RARE EARTH DIVISION

American Potash & Chemical Corporation

250 ANN STREET • WEST CHICAGO, ILLINOIS 60185

May 19, 1969

United States Atomic Energy Commission
Washington, D. C. 20545

Attn: Mr. Don F. Harmon
Source & Special Nuclear Materials Branch
Division of Materials Licensing

REF: DML: DFH 40-2061

Dear Mr. Harmon:

Your letter dated February 24, 1969, requested that we submit a consolidated renewal application for our license STA-583.

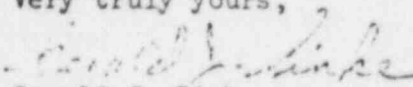
Enclosed are four copies each of this letter, Form AEC-2, and supplemental data which you also requested.

We desire to have condition #10 of our old license included in our renewed license. This is necessary because of the large number of processing tanks and containers within our plant. The condition is stated as follows:

The license is exempted from the requirements of Subparagraph 20.203(F)(2), 10 CFR 20, for containers of source material within the plant provided that each area where source material is stored or used is conspicuously posted in accordance with Subparagraph 20.203(e)(2) and with the words "any container within this area may contain radioactive material."

If you have any questions regarding this consolidated renewal application please let me know well in advance of the July 31, 1969, expiration date of our current license.

Very truly yours,


Gerald J. Sinke
Safety Engineer - R.S.O.

GJS:jl

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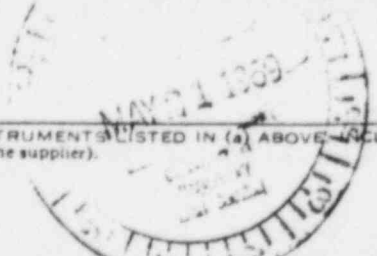
A SUBSIDIARY OF KERR-MCGEE CORPORATION

UNITED STATES ATOMIC ENERGY COMMISSION

APPLICATION FOR SOURCE MATERIAL LICENSE

Pursuant to the regulations in Title 10, Code of Federal Regulations, Chapter 1, Part 40, application is hereby made for a license to receive, possess, use, transfer, deliver or import into the United States, source material for the activity or activities described.

1. (Check one) <input type="checkbox"/> (a) New license <input type="checkbox"/> (b) Amendment to License No. _____ <input checked="" type="checkbox"/> (c) Renewal of License No. <u>STA-583</u> <input type="checkbox"/> (d) Previous License No. _____		2. NAME OF APPLICANT AMERICAN POTASH & CHEMICAL CORPORATION	
		3. PRINCIPAL BUSINESS ADDRESS 258 Ann Street, West Chicago, Ill. 60185 Rare Earth Division	
4. STATE THE ADDRESS(ES) AT WHICH SOURCE MATERIAL WILL BE POSSESSED OR USED 258 Ann Street, West Chicago, Illinois 60185			
5. BUSINESS OR OCCUPATION Thorium & Rare Earth Chemical Mfrg.		6. (a) IF APPLICANT IS AN INDIVIDUAL, STATE CITIZENSHIP *	(b) AGE
7. DESCRIBE PURPOSE FOR WHICH SOURCE MATERIAL WILL BE USED Manufacture of various Thorium & Rare Earth Chemical Compounds			
8. STATE THE TYPE OR TYPES, CHEMICAL FORM OR FORMS, AND QUANTITIES OF SOURCE MATERIAL YOU PROPOSE TO RECEIVE, POSSESS, USE, OR TRANSFER UNDER THE LICENSE			
(a) TYPE	(b) CHEMICAL FORM	(c) PHYSICAL FORM (Including % U or Th.)	(d) MAXIMUM AMOUNT AT ANY ONE TIME (in pounds)
NATURAL URANIUM			
URANIUM DEPLETED IN THE U-235 ISOTOPE			
THORIUM (ISOTOPE)	Ores & Compounds (Natural Thorium)	Solid and Liquids	Unlimited
(e) MAXIMUM TOTAL QUANTITY OF SOURCE MATERIAL YOU WILL HAVE ON HAND AT ANY TIME (in pounds) Unlimited			
9. DESCRIBE THE CHEMICAL, PHYSICAL, METALLURGICAL, OR NUCLEAR PROCESS OR PROCESSES IN WHICH THE SOURCE MATERIAL WILL BE USED, INDICATING THE MAXIMUM AMOUNT OF SOURCE MATERIAL INVOLVED IN EACH PROCESS AT ANY ONE TIME, AND PROVIDING A THOROUGH EVALUATION OF THE POTENTIAL RADIATION HAZARDS ASSOCIATED WITH EACH STEP OF THOSE PROCESSES. See Attached			
10. DESCRIBE THE MINIMUM TECHNICAL QUALIFICATIONS INCLUDING TRAINING AND EXPERIENCE THAT WILL BE REQUIRED OF APPLICANT'S SUPERVISORY PERSONNEL INCLUDING PERSON RESPONSIBLE FOR RADIATION SAFETY PROGRAM (OR OF APPLICANT IF APPLICANT IS AN INDIVIDUAL). See Attached			
11. DESCRIBE THE EQUIPMENT AND FACILITIES WHICH WILL BE USED TO PROTECT HEALTH AND MINIMIZE DANGER TO LIFE OR PROPERTY AND RELATE THE USE OF THE EQUIPMENT AND FACILITIES TO THE OPERATIONS LISTED IN ITEM 9. INCLUDE: (a) RADIATION DETECTION AND RELATED INSTRUMENTS (including film badges, dosimeters, counters, air sampling, and other survey equipment as appropriate. The description of radiation detection instruments should include the instrument characteristics such as type of radiation detected, window thickness, and the range(s) of each instrument). See Attached			
(b) METHOD, FREQUENCY, AND STANDARDS USED IN CALIBRATING INSTRUMENTS LISTED IN (a) ABOVE, INCLUDING AIR SAMPLING EQUIPMENT (for film badges, specify method of calibrating and processing, or name supplier). See Attached			





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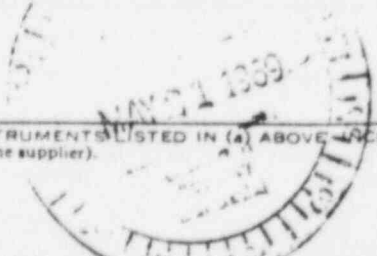
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