FORM NRC-2
(7-77)
10 CFR 40

Approved by GAO
R0203

U.S. NUCLEAR REGULATORY COMMISSION

8005060155

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)
- ☐ (a) New license
- ☐ (b) Amendment to License No. _____
- ☒ (c) Renewal of License No. SUA-1228
- ☐ (d) Previous License No. _____

2. NAME OF APPLICANT
Rocky Mountain Energy - Halliburton Joint Venture

3. PRINCIPAL BUSINESS ADDRESS
4704 Harlan Street
Denver, Colorado 80212

4. STATE THE ADDRESS(ES) AT WHICH SOURCE MATERIAL WILL BE POSSESSED OR USED
Nine Mile Lake, Sections 27 and 34, T 35 N, R 79 W, Natrona County, Wyoming (Amendment No. 2, issued December, 1977)

5. NAME OF PERSON TO BE CONTACTED CONCERNING THIS APPLICATION
Michael R. Neumann

6. TELEPHONE NO. OF INDIVIDUAL NAMED IN ITEM 5
(303) 422-8816

7. DESCRIBE PURPOSE FOR WHICH SOURCE MATERIAL WILL BE USED
For Uranium recovery from pregnant lixiviant in accordance with statements, representations and conditions contained in (1) the licensee's application, with supplements, dated November 26, 1974; and (2) amendments number one (1) through four (4) respectively issued on: October 15, 1976, December, 1977, July 12, 1978, and November 7, 1978.

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 *(kilograms)*
NATURAL URANIUM	U_3O_8 Precipitate	Granular Yellowcake Approx. 80% U_3O_8	5000 kg equivalent U_3O_8 as slurry
URANIUM DEPLETED IN THE U-235 ISOTOPE			
THORIUM (ISOTOPE)			

(e) MAXIMUM TOTAL QUANTITY OF SOURCE MATERIAL YOU WILL HAVE ON HAND AT ANY TIME *(kilograms)*
5000 kg (Amendment No. 4, issued December 7, 1977)

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.

Please refer to Amendment Request Supplement - SUA-1228, dated June, 1976, as amended.

10. LIST THE NAMES AND ATTACH A RESUME OF THE TECHNICAL QUALIFICATIONS INCLUDING TRAINING AND EXPERIENCE OF APPLICANT'S SUPERVISORY PERSONNEL AND THE PERSON RESPONSIBLE FOR THE RADIATION SAFETY PROGRAM (OR OF APPLICANT IF AN INDIVIDUAL).

Please refer to Enclosure A, submitted with this renewal request.

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).

Please refer to Amendment Request - SUA-1228, dated September 30, 1977, as amended.

(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).

Please refer to Amendment Request - SUA-1228, dated June, 1976, as amended.

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ROCKY MOUNTAIN
ENERGY COMPANY