

REQUEST FOR AMENDMENT
NRC License SUA-1387
Docket No. 48-8768

It is requested that Source Material License SUA-1387 for Kerr-McGee Nuclear Corporation Q-Sand Uranium In-Situ Leaching Pilot located in Converse County, Wyoming be amended as described below:

License Condition 43:

Amend License Condition 43 to read as follows:

During solution mining operations, the monitor wells identified in License Condition No. 41 above shall be sampled for chloride and bicarbonate every two (2) weeks and analyzed for chloride, carbonate, bicarbonate and sulfate once every month. Results shall be reported graphically and in tabular form in the quarterly report required in License Condition No. 58 below.

Discussion

NRC* has stated that three or four excursion parameters are adequate for excursion monitoring at uranium in-situ leaching operations. Kerr-McGee concurs in this position and during licensing had requested that the list of nine excursion parameters required by NRC be reduced. Kerr-McGee again requests that the excursion parameter list be reduced to the parameters listed above. This change will allow all excursion parameter analyses to be completed on site and will eliminate the current two to four week delay that is incurred in obtaining results from outside commercial laboratories.

During licensing it was agreed by NRC and Kerr-McGee that fluid levels in all monitor wells would be measured on a routine basis during the first quarter of operation to determine if the data might be useful in the early detection of excursions. This agreement is reflected in the wording of License Condition 43, 46 and 47. The fluid level data has been collected for the first six months of operation and reported in the quarterly reports. This data has established that a stable cone of depression is established by a bleed stream of one to three gallons per minute, but has not provided any other significant data. Kerr-McGee, therefore, requests this requirement be deleted as provided for in License Conditions 46 and 47. This amendment also requires the deletion of the last sentence in License Condition 47.

* Mr. John Linehan at joint NRC - Wyoming DEQ - Wyoming Mining Association Conference held in Cheyenne, WY on April 13, 1982.

License Condition 47

Delete the last sentence of the Condition.

Discussion

This change is needed to be consistent with the amendment to Condition 43.

License Condition 49 and 50

Delete calcium, selenium, gross alpha, and gross beta from the list of parameters in the required analyses.

Discussion

The calcium and selenium concentrations in the evaporation ponds are only slightly above baseline values and will provide no significant benefit in detecting or controlling a leak if one should occur. The gross alpha and gross beta analyses have no practical value nor do they contribute to the protection of the environment, therefore it is requested that they be deleted.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

40-8768
PDR - RETURN
TO 396-SS

FEE CLASSIFICATION MEMO

DOCKET NO.: 40-8768
TO: William O. Miller, Chief
License Fee Management Branch, ADM
FROM: John Linehan
SUBJECT: MATERIALS LICENSE AMENDMENT CLASSIFICATION

Applicant: Kerr-McGee Nuclear Corporation
License No.: SUA-1387 Fee Category: 2B
Application Dated: 5-28-82 Received: 6-15-82
Applicant's Classification: Adm. Fee

The above application for amendment has been reviewed by NMSS in accordance with §170.31 of Part 170, and is classified as follows:

- Safety and Environmental Amendments to Licenses in Fee Categories 1A through 1H, 2A, 2B, 2C, and 4A.
 - (a) Major safety and environmental X \$4200 fee
 - (b) Minor safety and environmental _____ 150 fee
 - (c) Safety and environmental _____ \$4010 fee
 - (Categories 1D through 1G only)
 - (d) Administrative _____

2. Justification for Reclassification: SCOPE OF REVIEW
WILL REQUIRE EVALUATION OF ALL MONITORING
DATA COLLECTED TO DATE. NOT ADMINISTRATIVE.

3. The application was filed (a) _____ pursuant to written NRC request and the amendment is being issued for the convenience of the Commission, or (b) _____ other (state reason): _____

MAIL CONTROL #: 20523

CASEWORK #: D4008768060E

CHECK INCLUDED:

- No
- Yes

Amount: \$ 150
Date of check: 6-2-82
on check: 023580

Signature: [Signature]
Uranium Recovery Licensing Branch
Division of Waste Management, NMSS
Date: 6/17/82

20523