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:

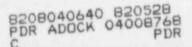
During solution mining operations, the monitor wells identified in License Condition No. 41 above shall be sampled for chloride and bicarbonate every two (2) weeks and anlyzed for chloride, carbonate, bicarbonate and sulfate once every month. Results shall be reported graphically and in tabular form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

Discussion

NRC*has stated that three or four excursion parameters are adaquate 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 consistant 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.



NUCLEAR REGULATORY COMMISSION WASHINGTON, D. C. 20555

40-8768 PDR -RETURN TO 396-SS

FEE CLASSIFICATION MEMO

OCKET NO.: 40-8768	
O: William O. Miller, Chief License Fee Management Branch, ADM	
ROM: John Linehau SUBJECT: MATERIALS LICENSE AMENDMENT CLASSIFICATION	
Applicant: Kerr- Mc Gee Nuclear Corporation icanse No: SUA-1387 Fee Category: 28	
iterise no.	
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	
(b) Minor safety and environmental	
(c) Safety and environmental (Categories 1D through 1G only)	
(d) Administrative	
2. Justification for Reclassification: SCOPE OF REVIEW	
WILL REQUIRE EVALUATION OF ALL MONITORING	
DATA COLEGED TO DATE : NEW ADMINISTRATIVE.	
DATA COLEGED TO ONLE TO STATE TO STATE	
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 Signature:	
CASEWORK #: 04008 768 0602 Uranium Recovery Licensing Brand	h
CHECK INCLUDED: Division of Waste Management, NI	ISS
7 No Date: 6/17/3	
/X/ Yes	
Amount: 4 150	
Date of check: $6-2-82$ # on check: 0.23580	
# OII CHECK. DFW DD	