

SEP 20 1990

URFO:GRK  
Docket No. 40-8786  
SUA-1400, Amendment No. 13  
04008786430E

Uranium Resources, Inc.  
12377 Merit Drive, Suite 750, LB14  
Dallas, Texas 75251

Gentlemen:

Our office is in receipt of your amendment request dated June 22, 1990, as well as the additional information submitted by cover letter dated August 29, 1990, in response to our July 31, 1990, request for information. It is our understanding that Uranium Resources, Inc. (URI) is proposing to dispose of process solutions by way of surface irrigation.

The water quality data included in your submittals, as verified by our split sampling, indicates that the majority of the metals and radionuclides have been precipitated and are now contained within the pond sludges. Due to this, the evaporation pond water contains primarily anions and cations. Therefore, the water appears to be suitable for disposal via irrigation.

To confirm the analysis of soil loading that was contained within your August 29, 1990, submittal, we will require as a condition of this amendment that 10 soil analyses for uranium and radium be performed prior to and following disposal of the evaporation pond waters. The results of these soil samples will be utilized to determine the radionuclide content of the soil for compliance with 10 CFR 40, Appendix A. Should soil radium concentrations exceed the regulatory limits, appropriate decontamination will be necessary.

Therefore, pursuant to Title 10, Code of Federal Regulations, Part 40, and in consideration of your submittals discussing the irrigation system, Source Material License USA-1400 is hereby amended by revising License Condition No. 15 to read as follows:

PM:URFO *GRK*  
GKonwinski/lv  
09/20/90

*[Signature]*  
DD:URFO  
EHawkins  
09/20/90

*[Signature]*  
D:URFO:RIV  
RAHall  
09/20/90

9010020401 900920  
PDR ADOCK 04008786  
C PDC

*[Signature]*  
1502  
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15. A. The licensee shall decommission the North Platte Project in accordance with policy and procedures described in submittals dated October 22, 1987, and January 25, October 18, and December 19, 1988. In addition, all buried process piping at the site shall be removed and surveyed prior to release, or disposed appropriately.
- B. DELETED by Amendment No. 12.
- C. The licensee shall submit a report describing decontamination and decommissioning activities within sixty (60) days of completion of the activities. The report shall include, as a minimum, the following information:
- (1) A discussion of decontamination and decommissioning activities.
  - (2) Employee exposure records including internal exposure time weighted calculations.
  - (3) Bioassay results.
  - (4) Inspection log entries and inspections.
  - (5) Training program activities, including safety meetings.
  - (6) Radiological survey and sampling data, including the results of soil sampling and gamma surveys and equipment release surveys.
  - (7) Final disposal site(s) for all contaminated soil and material.

Additionally, the licensee is authorized to dispose of evaporation pond water utilizing an irrigation system. The soil surface used for irrigation shall have at least ten (10) soil samples analyzed for radium-226 and U-nat prior to irrigation and following irrigation. The results shall be submitted to the NRC prior to December 15, 1990.

All other conditions of this license shall remain the same. The effect of this amendment is to authorize irrigation disposal of evaporation pond waters.

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The issuance of this amendment was discussed between your Mr. Pelizza and Mr. Konwinski of my staff on September 7, 1990.

Sincerely,

*Original Signed By:*

R. E. HALL

Ramon E. Hall  
Director

Enclosure:  
Source Material License SUA-1400

bcc:  
LFMB  
PDR/DCS  
URFO r/f  
ABBeach, RIV  
LLO Branch, LLWM  
OB:IMNS:NMSS  
GKonwinski  
RCPD, WY  
WDEQ, (2)