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DEC 29 1987

IMUF:EYS  
Docket No. 70-925

Sequoyah Fuels Corporation  
ATTN: Dr. J. C. Stauter, Director  
Nuclear Licensing and Regulation  
P. O. Box 25861  
Oklahoma City, Oklahoma 73125

Gentlemen:

We have conducted a detailed review of your September 4, 1987, application for amendment of Special Nuclear Material License No. SNM-928 to allow onsite burial and stabilization of waste material generated from past operations of the Cimarron Uranium Plant. Our review reveals that additional information (see Enclosure) is required to allow us to complete the environmental assessment for the proposed action.

Please provide the requested information by the end of January 1988. If you cannot meet this target date, please inform us as soon as possible so that we can change our review schedule accordingly. If you have further questions, please feel free to call me or Dr. Edward Shum of my staff at (301) 427-4510.

Sincerely,

Original Signed By:

Jerry J. Swift, Section Leader  
Uranium Fuel Section  
Fuel Cycle Safety Branch  
Division of Industrial and Medical  
Nuclear Safety, NMSS

Enclosure: 8801060450 871229  
As noted PDR ADDCK 07000925  
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Docket 70-925  
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REQUEST FOR ADDITIONAL INFORMATION  
FOR AMENDMENT REQUEST DATED SEPTEMBER 4, 1987  
FOR ONSITE DISPOSITION OF CONTAMINATED SOIL  
AT CIMARRON URANIUM PLANT

1. Please provide detailed soil survey data around the Cimarron plant site. For each contaminated area, please provide the estimated volume of contaminated soil; the average concentration of radioactivity; the nature of contamination from past operations; and solubility tests for each category of contaminated area. Please confirm that each of the wastes proposed for disposal contain no wastes considered hazardous under RCRA for characteristics other than radioactivity.
2. Please provide a chronology of the past plant operations involving enriched uranium, thorium, and plutonium. Describe the operation process used and the disposal of solid and liquid wastes from past operations that resulted in the various categories of contaminated areas.
3. Are there any radioactive materials buried onsite from past operations? If so, provide the records on the volumes, locations, and average radioactivity concentrations.
4. Are there any contaminated wastes from the uranium plant operation which contain plutonium? If so, please provide data.
5. Please identify in a map with a scale the locations of uranium plant yards #9, #28-C, #27-B; lagoon #5 and pipe line #3. Describe the nature of contamination in these areas. In Fig. 1 of the submittal, sanitary lagoons are identified; has a radiological survey been made of these lagoons? If so, please provide data.
6. Please provide ground water quality data (radiological and chemical) if any, on the wells onsite.
7. Provide a quality assurance program on the radiological surveillance to implement the proposed action. The program should include a description of the instrumentation and methodology used for radiological measurements with quality controls on calibration, interlab checking, and data evaluation.
8. After cleanup to Option 1 criteria, will the cleaned area ground surface also be restored to blend with the area topography and to promote precipitation runoff, and be seeded, etc.?

9. Provide additional data on measurements and sampling of soil, including:
  - o field and laboratory instrumentation;
  - o sampling and analysis techniques and procedures;
  - o averaging procedures; and
  - o surveying procedures.