

November 16, 2006

Mr. Craig Harlin, Vice President
Sequoyah Fuels Corporation
P.O. Box 610
Gore, Oklahoma 74435

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION FOR ENVIRONMENTAL
REVIEW OF PROPOSED RECLAMATION PLAN FOR SEQUOYAH FUELS
CORPORATION'S GORE, OKLAHOMA SITE

Dear Mr. Harlin:

The U.S. Nuclear Regulatory Commission (NRC) staff is conducting its environmental review of Sequoyah Fuels Corporation's (SFC's) proposed reclamation plan for the Gore, Oklahoma site and alternatives to that proposed plan. Based on its review of SFC's updated Environmental Report, submitted by letter dated October 13, 2006, and revised by submittal dated October 28, 2006, and of previously submitted site-specific information, the NRC staff is requesting additional information to support its evaluation of the potential environmental impacts of SFC's proposed reclamation plan and the alternatives. The requested information is identified in the enclosure to this letter.

The NRC staff requests that SFC provide this additional information within 30 days of the date of this letter. If SFC is not able to provide the information by that date, please contact me using the contact information below. The NRC staff requests that SFC provide a revised submittal date at that time.

If you have any questions concerning this matter or the requested information, please contact me either by phone at (301) 415-5835, or by e-mail at jrp@nrc.gov.

Sincerely,

R/A

James R. Park, Project Manager
Environmental Review and
Performance Assessment Directorate
Division of Waste Management
and Environmental Protection
Office of Federal and State Materials
and Environmental Management Programs

Docket No.: 40-8027
License No.: SUB-1010

Enclosure: Requested Information
cc: See next page

cc:

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Request for Additional Information
Sequoyah Fuels Corporation
Docket No. 40-8027

The U.S. Nuclear Regulatory Commission (NRC) staff is conducting its environmental review of Sequoyah Fuels Corporation's (SFC's) proposed reclamation plan for its Gore, Oklahoma site, and alternatives to the proposed plan. By letter dated October 13, 2006, and revised by submittal dated October 28, 2006, SFC submitted an updated environmental report for its proposed activities. Based on its review of these submittals and previously submitted site-specific information, the NRC staff is requesting the following information to support its evaluation of the potential environmental impacts of SFC's proposed reclamation plan and the alternatives.

1. Provide the following concerning radiation levels, radon flux measurements, and occupational dose exposure measurements obtained from the raffinate sludge dewatering and handling processes.
 - a. Direct radiation levels (milliroentgen/hour (mR/hr) or millirem/hour) measured on the outside of a filled super sack and how the radiation level falls off with distance, e.g., measurements recorded at specific distances.
 - b. Radiation levels recorded from the super sacks in their current storage configuration. Preferably, these levels would be provided at different distances and locations within the current storage configuration.
 - c. Radon flux measurements obtained from a typical super sack and data related to the radon flux from the super sacks in their current storage configuration on the former yellowcake storage pad.
 - d. Occupational radiation exposure for individuals involved in loading and stacking the super sacks in their current storage configuration (primarily health physics support staff and logistics staff). Preferably, this information should be provided in mrem, including DAC-Hours, and also should include, if possible, the type of activity the individual performed and the number of super sacks they handled.

This information will be used to estimate occupational and public health impacts from the proposed handling of the super sacks for placement within the proposed disposal cell or for shipment off site.

Enclosure

2. Clarify the anticipated demolition/construction activities described in Attachment F of the SFC Reclamation Plan. Provide the following, as possible, based on recent plans received from potential bidders:

- a. The site activity locations for construction and demolition (staging, traffic pattern, waste storage).
- b. The quantity of construction equipment to be used in the demolition and decommissioning.
- c. A schedule of demolition and construction activities that shows the anticipated sequence of events.
- d. The expected contractor work force size.
- e. The design for demolition for individual buildings.

This information will be used to determine potential noise, air, and traffic impacts from the proposed reclamation activities.

3. Provide the following documents and information:

- a. SFC's 1997 "Final RCRA Facility Investigation of the Sequoyah Fuels Uranium Conversion Industrial Facility".
- b. Data collected in support of any ecological risk assessments conducted for the site and proposed reclamation activities.

This information is needed to support the summary information provided in the proposed Reclamation Plan and the October 2006 Environmental Report.

4. Provide the following electronic files:

- a. Electronic data files of the environmental data collected for all media (soil, air, water, vegetation). These data will be used in evaluating dose/risk assessment models, and in the generation of summary data tables.
- b. The AUTOCAD drawings from the Reclamation Plan in .dwg format. All drawings and layers are requested. Drawings in this format will be used as base maps and will allow expeditious production and reproduction of legible figures.