

OCT 07 1988

DOCKET NO: 40-8027

LICENSEE: Sequoyah Fuels Corporation (SFC)

FACILITY: Sequoyah Facility
Gore, Oklahoma

SUBJECT: SAFETY EVALUATION REPORT, AMENDMENT APPLICATIONS DATED SEPTEMBER 15, SEPTEMBER 25 AND NOVEMBER 6, 1987 SUBMITTED BY LETTERS DATED SEPTEMBER 17, SEPTEMBER 29, AND NOVEMBER 23, 1987, AND SEPTEMBER 21, 1988, RE REVISIONS TO TABLES 5-1 AND 5-2 (DETECTION AND ACTION LEVELS AND ENVIRONMENTAL MONITORING SCHEDULE)

Background

In Amendment No. 15, staff requested that SFC provide information on replacing the 160-acre test site with the Rabbit Hill acreage, resubmit page I.5-7 to change units for air sampling analysis, and resubmit Table 5-2 to incorporate several changes discussed below.

Discussion

By letter dated September 17, 1987, SFC submitted revised license page I.1-5 dated September 15, 1987, to reflect the designation of Rabbit Hill as a raffinate fertilizer application test area. SFC had previously informed staff of the change but the license had not been updated to reflect this.

By letter dated September 29, 1987, SFC submitted a revised license page I.5-7, dated September 25, 1987, that corrected the units in Table 5-1 used for air sample uranium analysis detection limits from $\mu\text{g}/\text{ml}$ to $\mu\text{Ci}/\text{ml}$.

By letter dated November 23, 1987, SFC submitted a revised Table 5-2, Environmental Monitoring Schedule for Sequoyah Facility License SUB-1010 (pages I.5-8 to I.5-15, dated November 6, 1987). By letter dated September 21, 1988, they resubmitted page I.5-9 dated November 6, 1987, to correct a typographical error.

The revised Table 5-2 contained the format change that was requested in Amendment No. 15. The revised Table also includes the surface monitoring location and the monitoring wells for the Rabbit Hill fertilizer monitoring plot and includes the surface water sampling requirements from page I.1-6 of the application. The monitoring wells used for the 160-acre test plot have been removed from the Table.

Well numbers ED-5, M-5, M-7, and M-10 are being replaced with new offset wells. The old wells will be plugged and abandoned. This action is acceptable to staff.

2 OCT 07 1988

SFC is changing the sampling frequency for some wells. For wells currently sampled on a weekly schedule, the new schedule will be monthly and for those that were sampled monthly, the new schedule will call for quarterly sampling. These wells are located around the ponds. The leak detection systems on the ponds, except pond 2, are sampled monthly. This sampling will provide notice of pond leakage prior to appearance in the ground water so a reduction in the sampling frequency for these wells will not have a negative effect. For the wells around pond 2, the reduced sampling frequency will still provide sufficient information to monitor ground water trends. SFC is required by Condition 18 to decommission pond 2. The frequency changes are acceptable to staff.

The licensee has also included 11 new wells on Table 5-2. While staff did not require the addition of these wells, there are no objections to the addition of these wells into the monitoring program.

Conclusion/Recommendations

Staff concludes that the proposed changes in the license will have no adverse effect on the public health and safety or the environment. The staff recommends that pages I.1-5 dated September 15, 1987, I.5-7 dated September 25, 1987, I.5-8 to I.5-15 dated November 6, 1987, be incorporated into the license.

The RIV Principal Inspector has no objection to this proposed action.

Original Signed By:

Merri Horn
Uranium Fuel Section
Fuel Cycle Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Original Signed By:

Approved by:

George H. Bidinger, Section Leader

OFC:IMUF:	IMUF:	IMUF:
NAME:MHorn:mlh:	VLHarpe:	GHBidinger:
DATE:10/1/88	10/06/88	10/06/88

OFFICIAL RECORD COPY