

NOV 8 1989

DOCKET NO: 40-8027  
LICENSEE: Sequoyah Fuels Corporation (SFC)  
Gore, Oklahoma  
SUBJECT: SAFETY EVALUATION REPORT, AMENDMENT APPLICATION DATED  
OCTOBER 20, 1989, RE MONITOR WELL PLUGGING

### Background

The stormwater runoff from SFC's site has been exceeding the limits set in their Oklahoma Water Resources Board (OWRB) Waste Discharge Permit. SFC has submitted a compliance plan to the OWRB. This plan proposes the construction of a Stormwater Collection Reservoir to contain the stormwater runoff. In order to construct the reservoir, SFC must plug six of the monitoring wells currently specified in the SFC license. By application dated October 20, 1989, SFC requested authorization to plug and abandon three wells and to replace the other three wells after completion of the reservoir.

### Discussion

SFC proposes to construct a reservoir to contain the stormwater runoff from the Sequoyah Facility site, excluding the process buildings. A collection ditch will be constructed to carry the stormwater runoff from all stormwater outfalls to the reservoir. The outfalls will then be eliminated as individual sample points and consolidated into one outfall, a discharge point from the reservoir. This single outfall will then be the sole permitted discharge point for stormwater runoff. SFC has proposed a compliance schedule that projects completion approximately 2 years following OWRB approval of the compliance plan. All details and permits of the reservoir construction will be handled by OWRB.

The reservoir will be constructed by damming a natural drainage basin south of the facility and north of the fertilizer storage pond. The Facility Combination Stream (Outfall 001) will be piped around the northern boundary of the reservoir. In order to construct the reservoir, it will be necessary for SFC to plug six monitor wells, M-5, M-6, M-7, M-8, M-9, and M-10. Amendments 15 and 20 gave SFC authorization to plug these wells, however, replacement wells were to be installed. With construction of the reservoir, SFC will not be able to immediately replace these wells; therefore, SFC has requested permission to delay the replacement of three of the wells and to abandon or not replace three of the wells. Monitor wells M-8, M-9, and M-10 are located in the area planned for the reservoir. Since this area will be inundated with water, SFC will not be able to replace these three wells. SFC proposes to replace monitor wells M-5, M-6, and M-7 within 90 days of completion of the stormwater reservoir. Replacement of these wells will be delayed to allow optimal placement of the wells to provide compliance with both the NRC license and the OWRB permit. These wells will be replaced in the same general locations that they currently occupy. The lack of monitoring data from these wells will not negatively impact SFC's monitoring program. These six wells are part of the pond 2 monitoring network. This pond is currently undergoing remediation activities and is no longer in operation.

Conclusion/Recommendation

SFC's request to abandon wells M-8, M-9, and M-10 and after completion of the reservoir, to replace wells M-5, M-6, and M-7 is acceptable. It is recommended that the SFC amendment request be granted.

The Region IV Principal Inspector has no objection to the proposed action.

Original Signed By:

Merri Horn  
Uranium Fuel Section  
Fuel Cycle Safety Branch  
Division of Industrial and  
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~~Worked Signed By:~~

Approved by:

George H. Bidinger, Section Leader

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