

August 10, 2022

Doug Mandeville  
Director for Material Security  
U.S. Nuclear Regulatory Commission  
1600 E. Lamar Blvd  
Arlington, Texas 76011-4511

RE: License No. SUB-1010; Docket No. 40-8027  
Semi-Annual Effluent Report  
File No. 1.7

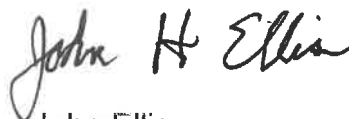
Dear Mr. Mandeville:

In accordance with the requirements of 10 CFR 40.65, enclosed is Sequoyah Fuels Corporation's Semi-Annual Effluent Report for the first half of 2022.

Results of fence line air sampling are also included.

Should you have any questions concerning this report, please contact me at (918) 489-5511, extension 223.

Sincerely,



John Ellis  
President

RHM/bt

Enclosure

xc: Robert Evans, NRC Region I

**TABLE I**  
**RADIOACTIVITY IN GASEOUS EFFLUENTS**  
**LICENSE SUB-1010; DOCKET 40-8027**

**FIRST HALF 2022**

**AIRBORNE RELEASES**  
**ELEVATED AND TOTAL**

LOCATION: RESTRICTED AREA

FIRST QUARTER

<u>RADIONUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>
URANIUM - NATURAL	0.00E+00	0.00E+00
THORIUM - 230	0.00E+00	0.00E+00
RADIUM - 226	0.00E+00	0.00E+00
VOLUME RELEASED (Liters)	<u>0.00E+00</u>	

SECOND QUARTER

<u>RADIONUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>
URANIUM - NATURAL	0.00E+00	0.00E+00
THORIUM - 230	0.00E+00	0.00E+00
RADIUM - 226	0.00E+00	0.00E+00
VOLUME RELEASED (Liters)	<u>0.00E+00</u>	

NOTE: THERE WERE NO GASEOUS EFFLUENTS THAT REQUIRED MONITORING AT S.F.C. DURING THIS PERIOD

**TABLE II**  
**RADIOACTIVITY IN LIQUID EFFLUENTS**  
**LICENSE SUB-1010; DOCKET 40-8027**

**FIRST HALF 2022**

**LIQUID RELEASES**

LOCATION : OUTFALL 008

FIRST QUARTER

<u>RADIONUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>	<u>% E C</u>
URANIUM - NATURAL	7.97E-05	1.08E-08	3.59
THORIUM - 230	1.43E-06	1.93E-10	0.19
RADIUM - 226	8.37E-07	1.13E-10	0.19
VOLUME RELEASED (Liters)	<u>7.40E+06</u>		

SECOND QUARTER

<u>RADIONUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>	<u>% E C</u>
URANIUM - NATURAL	4.29E-05	3.01E-09	1.00
THORIUM - 230	8.04E-06	5.64E-10	0.56
RADIUM - 226	4.07E-06	2.86E-10	0.48
VOLUME RELEASED (Liters)	<u>1.43E+07</u>		

FENCE LINE AIR SAMPLING  
FIRST HALF 2022

FIRST QUARTER				
Parameter	Location			
	E-1 East	E-2 West	E-3 South	E-4 North
Uranium, $\mu\text{Ci/ml}$	2.53E-16	2.67E-16	2.38E-16	2.83E-16
Thorium-230, $\mu\text{Ci/ml}$	1.87E-16	2.33E-16	4.82E-16	3.07E-16
Radium-226, $\mu\text{Ci/ml}$	5.61E-17	1.80E-17	2.25E-18	1.29E-17

SECOND QUARTER				
Parameter	Location			
	E-1 East	E-2 West	E-3 South	E-4 North
Uranium, $\mu\text{Ci/ml}$	2.40E-16	3.43E-16	2.47E-16	2.63E-16
Thorium-230, $\mu\text{Ci/ml}$	2.91E-17	3.44E-16	2.68E-16	1.73E-16
Radium-226, $\mu\text{Ci/ml}$	1.65E-17	1.04E-17	4.61E-17	3.30E-17