



RE: 1914-N

August 21, 2019

Mark Shaffer  
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. Shaffer:

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 2019.

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,

Scott C. Munson, Manager  
Environmental

SCM/bt

Enclosure

xc: Ken Kalman, NMSS  
Robert Evans, NRC Region IV ✓

TABLE I

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

FIRST HALF 2019

AIRBORNE RELEASES  
 ELEVATED AND TOTAL

LOCATION: MAIN PROCESS BUILDING

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 2019

LIQUID RELEASES

LOCATION : OUTFALL 008

FIRST QUARTER

<u>RADIONUCLIDE RELEASED</u>	<u>Ci</u>	<u>µCi/ml</u>	<u>% E C</u>
URANIUM - NATURAL	8.00E-04	4.87E-09	1.62
THORIUM - 230	9.16E-05	5.58E-10	0.56
RADIUM - 226	1.30E-05	7.90E-11	0.13
VOLUME RELEASED (Liters)	<u>1.64E+08</u>		

SECOND QUARTER

<u>RADIONUCLIDE RELEASED</u>	<u>Ci</u>	<u>µCi/ml</u>	<u>% E C</u>
URANIUM - NATURAL	6.25E-04	8.39E-09	2.80
THORIUM - 230	2.48E-05	3.33E-10	0.33
RADIUM - 226	3.07E-05	4.12E-10	0.69
VOLUME RELEASED (Liters)	<u>7.44E+07</u>		

FENCE LINE AIR SAMPLING  
FIRST HALF 2019

FIRST QUARTER				
Parameter	Location			
	E-1 East	E-2 West	E-3 South	E-4 North
Radon, pCi/l	< 0.11	< 0.08	< 0.08	< 0.08
Uranium, $\mu\text{Ci/ml}$	2.07E-16	2.48E-16	2.18E-16	1.97E-16
Thorium-230, $\mu\text{Ci/ml}$	1.15E-16	1.08E-16	1.12E-16	7.93E-16
Radium-226, $\mu\text{Ci/ml}$	6.69E-17	6.56E-17	8.12E-17	1.01E-16

SECOND QUARTER				
Parameter	Location			
	E-1 East	E-2 West	E-3 South	E-4 North
Radon, pCi/l	< 0.08	< 0.08	< 0.08	< 0.11
Uranium, $\mu\text{Ci/ml}$	2.27E-16	3.87E-16	1.95E-16	2.55E-16
Thorium-230, $\mu\text{Ci/ml}$	8.66E-18	1.39E-16	1.36E-16	1.43E-16
Radium-226, $\mu\text{Ci/ml}$	9.06E-17	9.04E-17	1.05E-16	1.05E-16