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DNMS

RE: 0731-N

August 8, 2007

Mr. Bruce S. Mallet

Regional Administrator Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-8064

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

Dear Mr. Mallet:

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 2007.

Should you have any questions concerning this report, please contact me at (918) 489-5511, extension 14.

Sincerely,



Craig L. Harlin  
Vice President

CLH

Enclosure

xc: William Kane, Director, ONMSS  
Myron Fliegel, NMSS-LLDR  
Linda Gersey, Region IV, DNMS

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

FIRST HALF 2007

AIRBORNE RELEASES  
ELEVATED AND TOTAL

LOCATION: MAIN PROCESS BUILDING

FIRST QUARTER

<u>NUCLIDE 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>NUCLIDE 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 2007

LIQUID RELEASES

LOCATION : FACILITY EFFLUENT; CONTINUOUS SAMPLE

FIRST QUARTER

<u>NUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>	<u>% E C</u>
URANIUM (NATURAL)	7.51E-04	1.71E-09	0.57
THORIUM - 230	3.11E-04	7.10E-10	0.71
RADIUM - 226	6.03E-05	1.38E-10	0.23
VOLUME RELEASED (Liters)	<u>4.39E+08</u>		

SECOND QUARTER

<u>NUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>	<u>% E C</u>
URANIUM (NATURAL)	3.22E-03	6.17E-09	2.06
THORIUM - 230	1.79E-04	3.43E-10	0.34
RADIUM - 226*	1.38E-05	2.64E-11	0.04
VOLUME RELEASED (Liters)	<u>5.22E+08</u>		

\* Values reported contain less-than values