

**RE: 0514-N**  
File No. 1.7

February 25, 2005

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

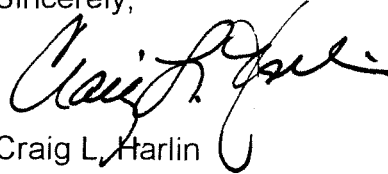
RE: License No. SUB-1010; Docket No. 40-8027  
Semi-Annual Effluent Report

Dear Mr. Merschoff:

In accordance with the requirements of 10 CFR 40.65, enclosed is Sequoyah Fuels Corporation's Semi-Annual Effluent Report for the second half of 2004.

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  
Robert Evans, Region IV, DNMS

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

**SECOND HALF 2004**

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

LOCATION: MAIN PROCESS BUILDING

THIRD 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>	

FOURTH 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**

**SECOND HALF 2004**

**LIQUID RELEASES**

LOCATION : FACILITY EFFLUENT; CONTINUOUS SAMPLE

THIRD QUARTER

<u>NUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>	<u>% E C</u>
URANIUM (NATURAL)	5.03E-03	1.03E-08	3.44
THORIUM - 230	2.24E-04	4.60E-10	0.46
RADIUM - 226	2.91E-05	5.98E-11	0.10
VOLUME RELEASED (Liters)	<u>4.87E+08</u>		

FOURTH QUARTER

<u>NUCLIDE RELEASED</u>	<u>Ci</u>	<u>μCi/ml</u>	<u>% E C</u>
URANIUM (NATURAL)	5.93E-03	1.28E-08	4.27
THORIUM - 230*	8.32E-05	1.80E-10	0.18
RADIUM - 226	<u>1.12E-04</u>	2.41E-10	0.40
VOLUME RELEASED (Liters)	<u>4.63E+08</u>		

\* Values reported contain less-than values