

Designated Original



SNM 1168, docket 70-1201

August 19, 2004

US Nuclear Regulatory Commission
Region II
Sam Nunn Atlanta Federal Center
61 Forsyth Street SW, Suite 23T85
Atlanta, GA 30303

Subject: Semi-annual effluent report: January 01, 2004 through June 31, 2004

In accord with the provisions of 10 CFR 70.59, the Mount Athos Road Facility of Framatome ANP (Lynchburg, Virginia) submits the enclosed gaseous effluent report for the first semi-annual period of 2004.

You may contact me at (434) 832-5276 should you have any questions or require additional information regarding the enclosed report.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles F. Holman".

Charles F. Holman
Manager, Environmental, Health,
Safety and Licensing

cc: Mr. Bob Pearson
Director, Office of Nuclear Material Safety and Safeguards
United States Nuclear Regulatory Commission
Washington, D.C. 20555

Leslie P. Foldesi
Commonwealth of Virginia
Department of Health
P.O. Box 2448
Richmond, VA 23218

EHS&L 04-301

JE17

Gaseous Effluent Report

1st semiannual, year 2004

1. PLR

Reporting Period: 01/01/2004 to 06/28/2004
Sample Collection Point: Main Plant Stack
Volume Released: 2.976E+09 cubic feet
Stack Flow Rate (typical): 11539 cubic feet per minute
Activity Released Gross Alpha: 0.677 uCi
Gross Beta: 0.000 uCi

Isotope	Activity (uCi)	Concentration (uCi/ml)	% DAC
U-234	5.25E-01	6.23E-15	12.45
U-235	2.92E-02	3.47E-16	0.58
U-236	1.66E-03	1.97E-17	0.03
U-238	1.22E-01	1.45E-15	2.41

2. SERF-2 RCA

Reporting Period: 01/01/2004 to 06/28/2004
Sample Collection Point: SERF-2 RCA Stack
Volume Released: 1.17E+08 cubic feet
Stack Flow Rate (typical): 461 cubic feet per minute
Activity Released Gross Alpha: 0.000 uCi
Gross Beta: 0.994 uCi

Isotope	Activity (uCi)	Concentration (uCi/ml)	% DAC
Co-60	0.994	3.01E-13	0.60

3. SERF-3 RCA

Reporting Period: 01/01/2004 to 06/27/2004
Sample Collection Point: SERF-3 RCA Stack
Volume Released: 1.17E+09 cubic feet
Stack Flow Rate (typical): 4457 cubic feet per minute
Activity Released Gross Alpha: 0.000 uCi
Gross Beta: 6.915 uCi

Isotope	Activity (uCi)	Concentration (uCi/ml)	% DAC
Co-60	6.915	2.09E-13	0.42

4. SERF-4 RCA

Reporting Period: 01/01/2004 to 06/27/2004
 Sample Collection Point: SERF-4 RCA Stack
 Volume Released: 2.71E+09 cubic feet
 Stack Flow Rate (typical): 10790 cubic feet per minute
 Activity Released Gross Alpha: 0.000 uCi
 Gross Beta: 24.560 uCi

Isotope	Activity (uCi)	Concentration (uCi/ml)	% DAC
Co-60	24.560	3.20E-13	0.64

5. Chem Lab

Reporting Period: 07/01/2003 to 12/31/2003
 Sample Collection Point: Chem Lab - 3 pts.
 Volume Released: 3.89E+08 cubic feet
 Stack Flow Rate (typical): 549 cubic feet per minute
 Activity Released Gross Alpha: 0.000 uCi
 Gross Beta: 8.588 uCi

Isotope	Activity (uCi)	Concentration (uCi/ml)	% DAC
Co-60	8.588	7.80E-13	1.56

6. Maximum Concentration Released in One Sampling Period:

Reporting Period: 1st semiannual, 2004

Isotope	DAC (uCi/ml)	maximum Concentration (uCi/ml)	% DAC
U-234	5.0E-14	4.517E-14	90.34
U-235	6.0E-14	4.517E-14	75.28
U-236	6.0E-14	4.517E-14	75.28
U-238	6.0E-14	4.517E-14	75.28
Co-60	5.0E-11	7.497E-12	14.99