



Nuclear Fuel Services, Inc.
P.O. Box 337, MS 123
Erwin, TN 37650

(615) 743-9141

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

**21G-95-0023
GOV-01-60
ACF-95-037**

February 28, 1995

Mr. Stewart D. Ebnetter, Regional Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
101 Marietta Street, NW, Suite 2900
Atlanta, GA 30323

REFERENCE: 1) DOCKET 70-143/SNM-124

**SUBJECT: BI-ANNUAL EFFLUENT MONITORING REPORT
(JULY - DECEMBER, 1994)**

Dear Mr. Ebnetter:

In accordance with the requirements set forth in Title 10 CFR, Part 70.59, Nuclear Fuel Services, Inc., (NFS) submits the attached report (Attachment A) of its effluent monitoring for the period July-December, 1994.

If you have any questions or need further information, please contact me or Ms. B. M. Moore, Environmental Manager, at (615) 743-1737. Please reference our unique document identification number (21G-95-0023) in any correspondence concerning this letter.

Sincerely,

NUCLEAR FUEL SERVICES, INC.

A. M. Maxim
Vice President
Safety and Regulatory

CAH/rcy

Attachment

cc: Director, Office of Nuclear Material
Safety and Safeguards
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Robert C. Pierson, Chief
Licensing Branch
Division of Fuel Cycle Safety
and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Elden Testa,
Project Inspector
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW
Suite 2900
Atlanta, GA 30323

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NUCLEAR FUEL SERVICES, INC.
Erwin, Tennessee

REPORT OF EFFLUENT MONITORING AND
RELEASE TO UNRESTRICTED AREAS

License No.: SNM-124
Docket No.: 70-143

Period Covered: JULY 1, 1994
DECEMBER 31, 1994

I. Gaseous Effluents

Radionuclide	Quantity Released (Curies)		
Uranium-234	3.87E-05	+/-	3.92E-06
Uranium-235	6.34E-07	+/-	6.67E-08
Uranium-236	3.66E-09	+/-	5.36E-10
Uranium-238	1.99E-07	+/-	3.83E-08
Plutonium-238	1.02E-09	+/-	3.86E-10
Plutonium-239	5.44E-10	+/-	2.07E-10
Plutonium-240	4.91E-10	+/-	1.87E-10
Plutonium-241	6.71E-08	+/-	2.55E-08
Plutonium-242	6.97E-13	+/-	2.65E-13
Americium-241	6.27E-10	+/-	2.38E-10
Thorium-228	5.85E-08	+/-	7.96E-09
Thorium-230	1.86E-08	+/-	2.53E-09
Thorium-232	6.48E-08	+/-	8.82E-09

II. Liquid Effluents

Radionuclide			
Uranium-234	4.56E-03	+/-	4.44E-04
Uranium-235	1.54E-04	+/-	1.25E-05
Uranium-238	5.52E-04	+/-	4.21E-05
Thorium-228	6.70E-05	+/-	8.26E-06
Thorium-230	6.65E-05	+/-	1.02E-05
Thorium-232	4.06E-05	+/-	7.53E-06
Thorium-234	6.21E-04	+/-	5.91E-05
Plutonium-238	1.01E-04	+/-	1.05E-05
Plutonium-239	1.56E-04	+/-	3.31E-05
Technetium-99	7.96E-04	+/-	1.80E-04