

NES

21G-90-0023
GOV-01-55-03
ACF-90-071 ✓
ACF90-071 ✓
March 1, 1990

Nuclear Fuel Services, Inc.
2500 Highway 100
Erwin, TN 37630
(615) 733-9141

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
Suite 2900
101 Marietta Street, N. W.
Atlanta, Georgia 30323

ACF	REG
CLM	REG
CEJ	CEJ
Schvl	Schvl
JAL	REALTS
LS	SA
RLS	REG
EDS	REG
CEB	REG
CEB	TR
NES	Orig
CLB	Orig
DBF	Clam
WGC	File

Attention: Stewart Ebnetter
Regional Administrator

Reference: (1) Docket No. 70-143
License SNM-124

Gentlemen:

In accordance with the requirements set forth in Title 10 CFR, Part 70.59, Nuclear Fuel Services, Inc. submits the attached report of its effluent monitoring at the Erwin, Tennessee Plant for the period covering July through December, 1989. Please contact us if you have any questions regarding this report.

Use our unique identification number (21G-90-0023) on any correspondence concerning this letter.

Sincerely,



A. M. Maxin
Safety Director

AMM/DEG:klz2/27
Attachment

FRAME # _____

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

Charles T. Haughney, Chief
Fuel Cycle Safety Branch
Division of Industrial and Medical Nuclear Safety
U. S. Nuclear Regulatory Commission
Washington, DC 20555

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NUCLEAR FUEL SERVICES, INC
Erwin, Tennessee

REPORT OF EFFLUENT MONITORING
AND
RELEASE TO UNRESTRICTED AREAS

License No.: SNM-124 Period Covered: JULY 1, 1989 thru
Docket No.: 70-143 DECEMBER 31, 1989

I. Gaseous Effluents

Radionuclide	Quantity Released (Curies)		
Uranium-234	1.49E-03	+/-	1.19E-04
Uranium-235	2.79E-05	+/-	2.24E-06
Uranium-236	1.99E-07	+/-	1.60E-08
Uranium-238	1.03E-07	+/-	2.00E-08
Plutonium-238	1.29E-08	+/-	3.23E-09
Plutonium-239	6.88E-09	+/-	1.74E-09
Plutonium-240	6.21E-09	+/-	1.57E-09
Plutonium-241	8.49E-07	+/-	2.14E-07
Plutonium-242	8.83E-12	+/-	2.23E-12
Americium-241	7.93E-09	+/-	2.00E-09

II. Liquid Effluents

Radionuclide	Quantity Released (Curies)		
Uranium-234	1.48E-02	+/-	8.56E-04
Uranium-235	1.54E-03	+/-	3.44E-04
Uranium-238	8.56E-04	+/-	1.60E-04
Thorium-228	1.20E-04	+/-	2.77E-05
Thorium-230	2.21E-04	+/-	3.48E-05
Thorium-232	1.12E-04	+/-	3.41E-05
Thorium-234	1.30E-03	+/-	1.38E-04
Plutonium-238	1.90E-05	+/-	4.34E-06
Plutonium-239	2.97E-05	+/-	1.58E-06
Technetium-99	6.17E-03	+/-	1.02E-03