



21G-88-0019
GOV-01-55-03
ACF 1095

Nuclear Fuel Services, Inc.
205 Barnett Hill Rd
Erwin, TN 37650
(615) 743-9141

February 29, 1988

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

U.S. Nuclear Regulatory Commission
Office of Inspection & Enforcement
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

ACF 1095
Dist: R
A: Nicks(2) SCJ
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Rockville RALta
JAL SW
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MFB
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Attention: Dr. J. Nelson Grace
Regional Administrator

Reference: (1) Docket No. 70-143/SNH-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 1987. Please contact us if you have any questions regarding this report.

Yours very truly,


B. E. Knight
Director of Safety

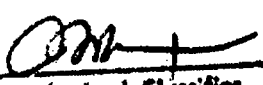
BEK:CAH:rej

Attachment

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

Mr. Leland R. Rouse, Chief
Fuel Cycle Safety Branch
Division of Industrial, & Medical,
Nuclear Safety
U.S. Nuclear Regulatory Commission
Washington, DC 20555

INFORMATION CATEGORY
UNCLASSIFIED


Authorized Classifier
2/29/88
Date

REEL #

Mr. T. D. Lee, NRC Resident Inspector

FRAME #

2 9 2 0 0 1 0 4 0 2 2

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, 1987 thru
DECEMBER 31, 1987

I. Gaseous Effluents

Radionuclide	Quantity Released (Curies)		
Uranium-234	9.35E-04	+/-	1.31E-04
Uranium-235	2.43E-05	+/-	3.86E-06
Uranium-236	5.65E-07	+/-	1.39E-07
Uranium-238	3.44E-05	+/-	8.73E-06
Plutonium-238	1.82E-08	+/-	3.32E-09
Plutonium-239	9.75E-09	+/-	1.78E-09
Plutonium-240	8.80E-09	+/-	1.60E-09
Plutonium-241	1.20E-06	+/-	2.19E-07
Plutonium-242	1.25E-11	+/-	2.28E-12
Americium-241	1.12E-08	+/-	2.05E-09

II. Liquid Effluents

Radionuclide	Quantity Released (Curies)		
Uranium-234	1.64E-02	+/-	1.41E-03
Uranium-235	1.76E-03	+/-	2.24E-04
Uranium-236	3.14E-05	+/-	1.12E-05
Uranium-238	9.08E-04	+/-	1.76E-04
Thorium-228	3.14E-04	+/-	1.29E-04
Thorium-230	1.77E-04	+/-	1.15E-04
Thorium-232	9.44E-05	+/-	8.45E-05
Thorium-234	6.65E-04	+/-	1.93E-04
Plutonium-238	5.65E-06	+/-	7.25E-05
Plutonium-239	3.59E-05	+/-	7.71E-05
Technetium-99	1.36E-01	+/-	5.60E-03