



**Nuclear Fuel Services, Inc.** ERWIN, TENNESSEE 37650

21G-83-0161  
GOV-01-55

70-143

(615) 743-914

PDR  
Return to  
39655

September 13, 1983

'83 SEP 16 A9:22

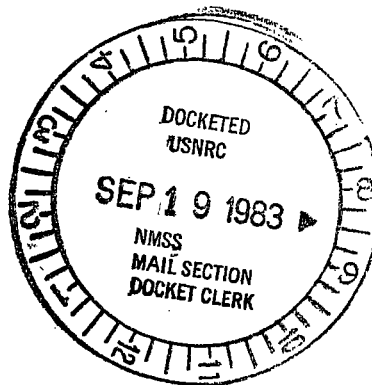
CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, GA 30303

Attention: Mr. J. P. O'Reilly  
Regional Administrator

Reference: Docket 70-143; SNM-124

Gentlemen:



In accordance with Condition 61, Amendment No. 6 and Condition 67, Amendment No. 9 of SNM-124, this report is submitted on the airborne radioactivity concentrations released from the plant stacks for the month of August, 1983.

The attachments list the concentrations from the major stacks. All stack concentrations were below the reporting limit for the month of August.

Very truly yours,

F. K. Guinn  
Plant Manager

FKG:degd

Attachments

cc; R. G. Page, Chief  
Uranium Fuel Licensing Branch  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555

INFORMATION CATEGORY

UNCLASSIFIED

CLASSIFIED

REVIEWED BY

9/13/83  
DATE

22813

ATTACHMENT I

DAILY SUMMARY OF STACK MONITORING

UNITS:  $\mu\text{Ci}/\text{ml} \times 10^{-12}$

MAIN STACK #416

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>
08/01/83	1.77	3.50
08/02/83	10.94	5.40
08/03/83	2.67	4.98
08/04/83	7.58	5.07
08/05/83	8.00	5.59
08/06/83	2.23	5.59
08/07/83	4.08	5.32
08/08/83	3.88	5.63
08/09/83	5.80	4.89
08/10/83	1.89	4.78
08/11/83	4.55	4.35
08/12/83	4.87	3.90
08/13/83	9.73	4.97
08/14/83	21.64	7.48
08/15/83	5.43	7.70
08/16/83	3.09	7.31
08/17/83	5.23	7.79
08/18/83	6.04	8.00
08/19/83	5.66	8.12
08/20/83	4.90	7.43
08/21/83	4.92	5.04
08/22/83	7.05	5.27
08/23/83	3.67	5.35
08/24/83	13.52	6.54
08/25/83	5.96	6.53
08/26/83	3.38	6.20
08/27/83	3.54	6.01
08/28/83	1.62	5.53
08/29/83	7.72	5.63
08/30/83	4.54	5.75
08/31/83	1.05	3.97

8309270345 830831  
PDR ADDCK 07000143  
C PDR

ATTACHMENT II

DAILY SUMMARY OF STACK MONITORING

UNITS:  $\mu\text{Ci/ml} \times 10^{-12}$

BUILDING 111

<u>Sample Collection Date</u>	<u>Main Scrubber #287</u>		<u>[REDACTED] #278</u>	
	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
08/01/83	3.74	5.56	1.57	9.66
08/02/83	5.68	4.45	12.39	4.56
08/03/83	9.74	5.20	6.46	4.83
08/04/83	1.95	5.05	5.50	5.32
08/05/83	2.33	4.84	2.22	4.59
08/06/83	2.36	3.84	5.22	4.84
08/07/83	3.44	1.64	1.79	5.02
08/08/83	1.73	1.36	0.77	4.91
08/09/83	2.23	3.40	3.70	3.67
08/10/83	1.15	2.17	3.35	3.22
08/11/83	6.26	2.79	2.89	2.85
08/12/83	4.28	3.06	4.02	3.11
08/13/83	3.02	3.16	1.12	2.52
08/14/83	0.66	2.76	0.71	2.37
08/15/83	2.17	2.86	2.31	2.59
08/16/83	3.24	2.97	0.65	2.15
08/17/83	1.21	2.98	0.42	1.73
08/18/83	4.63	2.74	0.38	1.37
08/19/83	14.01	4.75	10.48	2.30
08/20/83	4.77	4.38	2.59	2.51
08/21/83	2.01	4.58	0.36	2.46
08/22/83	3.64	4.79	0.20	2.15
08/23/83	2.96	4.75	18.48	4.70
08/24/83	8.24	5.75	4.42	5.27
08/25/83	4.19	5.69	10.81	6.76
08/26/83	7.08	4.70	4.83	5.96
08/27/83	3.78	4.56	4.96	6.29
08/28/83	4.86	4.96	2.95	6.67
08/29/83	6.76	5.30	0.79	6.75
08/30/83	3.81	5.43	2.81	5.76
08/31/83	3.66	4.77	10.04	5.73

Data listed are U-234 Concentrations.