

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

70-143

(615) 743-914

July 13, 1983

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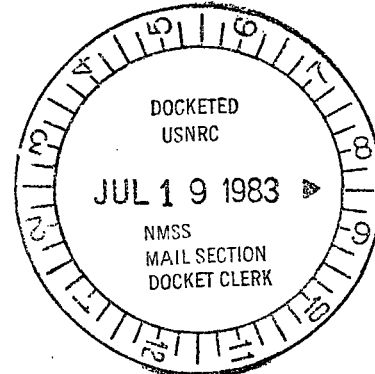
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U. S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, Suite 3100  
Atlanta, GA 30303

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 plant stacks for the month of June, 1983.

The attachments list the concentrations from the major stacks. The Building 302 [redacted] Stack was the only stack that exceeded the reporting limit for the month of June. The [redacted] was shut down on June 30, 1983 and reconnected to the main ventilation system on July 7, 1983.

Very truly yours,

*F. K. Guinn*  
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

22540

INFORMATION CATEGORY

UNCLASSIFIED

CLASSIFIED

*[Signature]* 7/14/83  
REVIEWED BY DATE

ATTACHMENT I

DAILY SUMMARY OF STACK MONITORING

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

MAIN STACK #416

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>
06/01/83	2.66	1.13
06/02/83	4.41	1.76
06/03/83	0.84	1.70
06/04/83	1.95	1.81
06/05/83	1.55	1.97
06/06/83	0.80	1.93
06/07/83	2.01	2.03
06/08/83	0.59	1.74
06/09/83	0.50	1.18
06/10/83	2.65	1.44
06/11/83	0.44	1.22
06/12/83	0.00	1.00
06/13/83	0.17	0.91
06/14/83	0.95	0.76
06/15/83	1.61	0.90
06/16/83	0.96	0.97
06/17/83	0.65	0.68
06/18/83	1.63	0.85
06/19/83	0.44	0.92
06/20/83	0.95	1.03
06/21/83	0.47	0.96
06/22/83	1.13	0.89
06/23/83	0.66	0.85
06/24/83	0.42	0.81
06/25/83	0.08	0.59
06/26/83	1.00	0.67
06/27/83	2.59	0.91
06/28/83	0.19	0.87
06/29/83	0.76	0.81
06/30/83	0.06	0.73

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ATTACHMENT II

DAILY SUMMARY OF STACK MONITORING  
UNITS:  $\mu\text{Ci}/\text{ml} \times 10^{-12}$   
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>
06/01/83	0.46	2.48	0.11	0.27
06/02/83	2.06	2.63	0.02	2.29
06/03/83	2.55	2.93	0.05	0.19
06/04/83	1.41	3.06	0.18	0.17
06/05/83	2.90	1.43	0.19	0.17
06/06/83	2.07	1.67	0.01	0.11
06/07/83	1.87	1.90	0.21	0.11
06/08/83	2.47	2.19	0.22	0.13
06/09/83	1.99	2.18	0.28	0.16
06/10/83	5.42	2.59	0.55	0.23
06/11/83	2.84	2.79	0.43	0.27
06/12/83	1.03	2.53	0.05	0.25
06/13/83	2.23	2.55	0.35	0.30
06/14/83	2.35	2.62	0.42	0.33
06/15/83	0.59	2.35	0.24	0.33
06/16/83	2.02	2.35	0.14	0.31
06/17/83	0.74	1.69	0.09	0.25
06/18/83	1.22	1.45	0.35	0.23
06/19/83	0.23	1.34	0.13	0.25
06/20/83	0.01	1.02	0.21	0.23
06/21/83	0.02	0.69	1.97	0.45
06/22/83	0.13	0.62	0.44	0.48
06/23/83	1.88	0.60	0.34	0.50
06/24/83	1.01	0.64	1.71	0.74
06/25/83	0.13	0.50	1.64	0.94
06/26/83	0.23	0.49	2.65	1.28
06/27/83	0.40	0.54	2.85	1.66
06/28/83	0.24	0.57	5.56	2.17
06/29/83	2.98	0.98	3.85	2.66
06/30/83	11.31	2.33	7.18	3.63

Data listed are U-234 Concentrations.

ATTACHMENT III

DAILY SUMMARY OF STACK MONITORING

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

BUILDING 302 [REDACTED]

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>
06/01/83	21	13
06/02/83	46	15
06/03/83	4	14
06/04/83	8	15
06/05/83	7	15
06/06/83	9	16
06/07/83	13	15
06/08/83	3	13
06/09/83	*	*
06/10/83	*	*
06/11/83	*	*
06/12/83	*	*
06/13/83	*	*
06/14/83	*	*
06/15/83	*	*
06/16/83	*	*
06/17/83	*	*
06/18/83	88	88
06/19/83	88	88
06/20/83	88	88
06/21/83	55	80
06/22/83	8	65
06/23/83	99	70
06/24/83	74	71
06/25/83	84	71
06/26/83	158	81
06/27/83	210	98
06/28/83	98	104
06/29/83	191	130
06/30/83	30	121

\* The [REDACTED] was shut down on June 9, 1983 and connected to the new ventilation system on June 12, 1983. After a fire destroyed the connecting ductwork on June 13, 1983, a temporary stack was installed and the [REDACTED] discharged from this stack from June 18, 1983 to June 30, 1983. Operation via this stack was discontinued on June 30, 1983.