

Gene Gorgell



Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650

August 13, 1982

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U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street
Suite 3100
Atlanta, Georgia 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 July, 1982.

Attachment "I" lists the concentrations from Building 233 and Building 302/303 main stacks. The Building 233 stack concentrations were in excess of the Condition 61 reporting limit for seventeen days during the month. The cause of the elevated concentration was determined to be a deteriorated filter housing and the use of over-sized filter frames. Corrective action included replacement of the filter housing on 7/22/82, installation of a standby parallel filter housing on 7/26/82, and disassembly and cleanout of stack, scrubber, and ductwork was on 7/27/82.

Building 302/303 stack concentrations remained below the reporting limit for the month of July.

Attachment "II" lists the concentrations from the Building 111 stacks. Both stacks operated below the Condition 61 limit for the month of July.

Attachment "III" lists the concentrations from the Building 302 [REDACTED] stack. This stack, as well, operated below the Condition 61 limit for the month of July.

Very truly yours,

W. C. Manser, Jr.
General Manager

WCM:dg
Attachment

cc: R. G. Page, Chief
Uranium Fuel Licensing Branch
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

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ATTACHMENT I

DAILY SUMMARY OF STACK MONITORING
 UNITS: $\mu\text{Ci/ml} \times 10^{-12}$
 COMBINED TWO-SAMPLER RESULTS

<u>Sample Collection Date</u>	<u>Building 233</u>		<u>Building 302/303</u>	
	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
7/1/82	11	78	15	25
7/2/82	365	129	61	30
7/3/82	7	125	32	29
7/4/82	6	109	19	28
7/5/82	33	91	11	28
7/6/82	50	95	35	26
7/7/82	120	85	6	26
7/8/82	64	92	6	24
7/9/82	22	43	16	18
7/10/82	25	46	27	17
7/11/82	74	55	15	16
7/12/82	108	66	42	21
7/13/82	66	68	11	18
7/14/82	164	86	54	24
7/15/82	701	177	16	26
7/16/82	88	186	16	26
7/17/82	105	197	58	30
7/18/82	115	203	10	30
7/19/82	87	200	20	26
7/20/82	135	210	69	35
7/21/82	91	200	13	29
7/22/82	318	145	10	28
7/23/82	51	140	17	28
7/24/82	106	140	9	21
7/25/82	23	127	7	21
7/26/82	105	129	6	19
7/27/82	28	114	6	10
7/28/82	45	107	10	9
7/29/82	50	69	11	9
7/30/82	11	63	15	9
7/31/82	9	50	16	10

ATTACHMENT II

DAILY SUMMARY OF STACK MONITORING

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

BUILDING 111

Main Scrubber #287

[REDACTED] #278

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
7/1/82	2.76	3.33	1.16	2.76
7/2/82	3.59	3.44	0.50	2.79
7/3/82	1.40	3.42	1.05	2.88
7/4/82	0.46	2.94	0.93	2.80
7/5/82	3.45	2.89	0.49	2.65
7/6/82	6.00	3.09	1.39	1.00
7/7/82	3.39	3.04	0.64	0.88
7/8/82	4.65	3.31	2.93	1.13
7/9/82	2.89	3.18	2.17	1.38
7/10/82	4.64	3.64	0.78	1.33
7/11/82	5.94	4.42	0.17	1.22
7/12/82	2.83	4.33	0.29	1.19
7/13/82	3.09	3.91	0.50	1.07
7/14/82	3.51	3.94	0.92	1.11
7/15/82	4.20	3.87	0.71	0.79
7/16/82	3.69	3.98	0.52	0.55
7/17/82	30.27	7.65	0.65	0.54
7/18/82	13.78	8.77	0.43	0.58
7/19/82	4.14	8.95	0.54	0.61
7/20/82	4.32	9.13	0.31	0.59
7/21/82	3.27	9.10	2.60	0.82
7/22/82	4.42	9.13	1.63	0.96
7/23/82	2.60	8.97	1.21	1.06
7/24/82	7.63	5.74	1.41	1.16
7/25/82	7.90	4.89	3.31	1.57
7/26/82	2.65	4.68	2.07	1.79
7/27/82	0.33	4.11	2.18	2.06
7/28/82	3.32	4.12	2.51	2.04
7/29/82	2.82	3.89	18.16	4.41
7/30/82	4.22	4.13	---- *	---- *
7/31/82	2.43	3.38	1.00	4.87

* PUMP OUT OF SERVICE

Data listed are U-234 concentrations.

ATTACHMENT III

DAILY SUMMARY OF STACK MONITORING

UNITS: $\mu\text{Ci}/\text{ml} \times 10^{-12}$
BUILDING 302 XXXXXXXXXX

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>
7/1/82	37	25
7/2/82	59	32
7/3/82	21	34
7/4/82	11	32
7/5/82	0.55	32
7/6/82	27	23
7/7/82	13	24
7/8/82	24	22
7/9/82	138	34
7/10/82	105	46
7/11/82	7	45
7/12/82	58	53
7/13/82	5	50
7/14/82	36	53
7/15/82	18	52
7/16/82	13	35
7/17/82	20	22
7/18/82	4	22
7/19/82	10	15
7/20/82	20	17
7/21/82	159	35
7/22/82	12	34
7/23/82	40	38
7/24/82	31	39
7/25/82	18	41
7/26/82	13	42
7/27/82	22	42
7/28/82	24	23
7/29/82	42	27
7/30/82	35	26
7/31/82	5	23