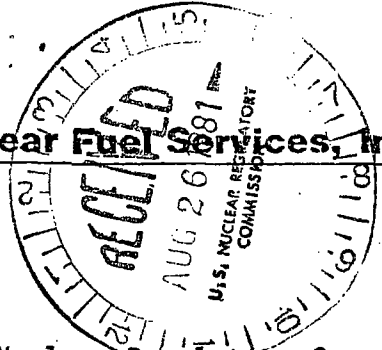
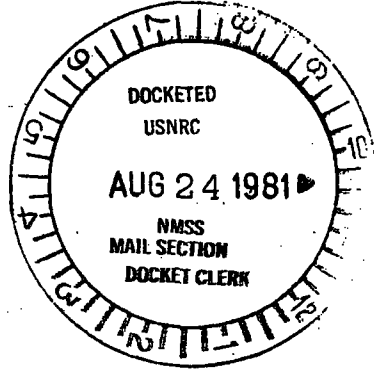


Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650



AUG 20 PM 1 21 August 13, 1981



70-143  
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Distribution: 391  
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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, Director

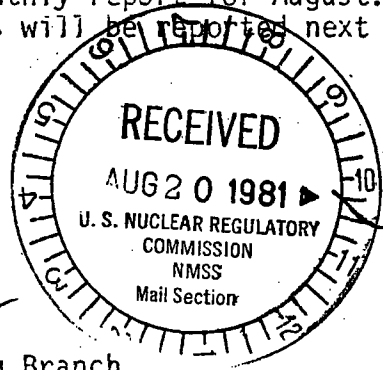
Reference: Docket 70-143; SNM-124

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 radioactive stack concentrations from the plant for the month of July, 1981.

Attachment I lists the concentrations from Building 233 and Building 302/303 stacks. Building 302/303 stack was below the reporting limit for the entire month of July. The Building 233 stack was in excess of the reporting limit for four days during the month of July. Investigations did not identify any events that could have directly contributed to the elevated concentrations. It should be noted that on July 17 routine backwashing of the scrubber demister was discontinued. This action may have resulted in maintaining consistently lower stack concentrations.

Attachment II lists the concentrations from the Building 111 stacks. The main building stack was below the reporting limit for the entire month of July. The [redacted] stack exceeded the reporting limit on July 19 and remained above the limit for the rest of the month. The investigation found a few discrepancies in the equipment operation and sampling areas. Correction of these items however did not result in decreasing the stack concentrations. On August 5 the stack and blower were disassembled and cleaned. The result of this action will be reported in the monthly report for August. This has corrected the problem. These concentrations will be reported next month.



Yours very truly,

*W.C. Manser, Jr.*  
W.C. Manser, Jr.  
General Manager

WCM:jp

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

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ATTACHMENT I

DAILY SUMMARY OF STACK MONITORING

Combined Two-Sampler Results

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

Building 233

Building 302/303

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
7/1/81	76	171	35	36
7/2/81	41	78	28	36
7/3/81	263	109	35	37
7/4/81	70	106	28	33
7/5/81	20	102	9	32
7/6/81	43	90	32	33
7/7/81	25	77	21	27
7/8/81	51	73	23	25
7/9/81	25	71	13	23
7/10/81	21	36	12	20
7/11/81	13	28	28	20
7/12/81	107	41	33	23
7/13/81	123	52	21	22
7/14/81	71	59	36	24
7/15/81	30	56	18	23
7/16/81	39	60	21	24
7/17/81	31	57	15	25
7/18/81	38	61	28	25
7/19/81	8	47	29	24
7/20/81	18	34	10	22
7/21/81	16	26	7	18
7/22/81	29	26	10	17
7/23/81	27	24	8	15
7/24/81	23	23	11	15
7/25/81	10	19	12	12
7/26/81	50	25	12	10
7/27/81	26	26	5	9
7/28/81	29	28	10	10
7/29/81	26	27	5	9
7/30/81	27	27	8	9
7/31/81	22	27	9	9

ATTACHMENT II  
DAILY SUMMARY OF STACK MONITORING

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

Main Scrubber #287

 #278

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
7/1/81	5	3	10	21
7/2/81	1	3	5	16
7/3/81	9	4	9	11
7/4/81	3	4	11	10
7/5/81	2	4	6	9
7/6/81	0	4	3	7
7/7/81	5	4	4	7
7/8/81	6	4	8	6
7/9/81	4	4	13	8
7/10/81	8	4	27	10
7/11/81	5	4	11	10
7/12/81	8	5	31	14
7/13/81	2	6	33	18
7/14/81	13	7	28	22
7/15/81	12	7	94	34
7/16/81	7	8	31	37
7/17/81	8	8	15	35
7/18/81	4	8	216	64
7/19/81	5	7	287	101
7/20/81	3	8	232	129
7/21/81	13	7	127	143
7/22/81	6	7	89	142
7/23/81	10	7	183	164
7/24/81	1	6	67	172
7/25/81	9	7	204	170
7/26/81	3	7	224	161
7/27/81	2	7	224	160
7/28/81	8	5	104	156
7/29/81	8	6	277	183
7/30/81	7	6	198	185
7/31/81	7	6	93	189