



REGULATORY OPERATIONS
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Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 3

70-143
PDR

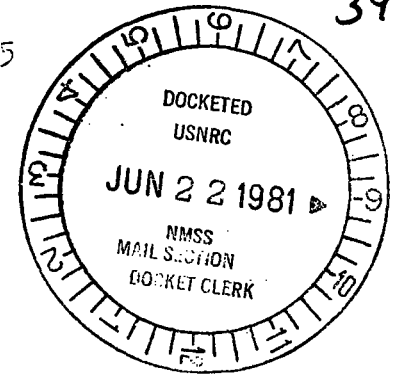
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June 12, 1981

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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, 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 May, 1981.

Attachment I shows that the concentration from the Building 233 stack fell below the reporting limit on May 28, 1981. On May 20, 1981 the building was shutdown and the ventilation lines and scrubber were cleaned out. At the same time a limiting orifice was placed in the scrubber to improve the efficiency of the demisting section.

Attachment II shows that Building 302/303 stack operated below the reporting limit for the entire month of May.

Attachment III shows that the concentration from the Building 111 stack fell below the reporting limit on May 17, 1981. The elevated stack concentrations appear to be related to the type of material being run. When this type of material is processed again, precautions will be taken in order to maintain stack concentrations below the reporting limit.

Yours very truly,

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

WCM/pts

Mr. R. G. Page, Chief
Uranium Fuel Licensing Branch
U. S. N. R. C.
Washington, D. C. 20555

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No Original Rec.

ATTACHMENT I
DAILY SUMMARY OF BUILDING 233 STACK MONITORING

COMBINED TWO-SAMPLER RESULTS

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

Sample Collection Date	Membrane Filters		Impingers		Total	
	Daily Average	7-Day Average	Daily Average	7-Day Average	Daily Average	7-Day Average
5/1/81	183	199	11	18	194	217
5/2/81	256	230	47	20	303	250
5/3/81	29	214	6	18	35	232
5/4/81	156	228	54	24	210	252
5/5/81	56	119	33	25	89	144
5/6/81	35	115	75	34	110	149
5/7/81	39	108	79	44	118	152
5/8/81	40	87	49	49	89	136
5/9/81	170	75	24	46	194	121
5/10/81	22	74	1115	204	1137	278
5/11/81	158	74	650	289	808	363
5/12/81	289	108	655	378	944	486
5/13/81	85	115	395	424	480	539
5/14/81	291	151	184	439	475	590
5/15/81	62	154	1653	668	1715	822
5/16/81	27	133	1173	832	1200	965
5/17/81	8	131	1985	956	1993	1087
5/18/81	22	112	2895	1277	2917	1389
5/19/81	264	108	11086	2767	11350	2875
5/20/81	41	102	1528	2929	1569	3031
5/21/81	9	62	593	2988	602	3050
5/22/81	25	57	30	2756	55	2813
5/23/81	4	53	34	2593	38	2646
5/24/81	11	54	7	2310	18	2364
5/25/81	10	52	19	1900	29	1952
5/26/81	6	15	24	319	30	334
5/27/81	18	12	17	104	35	116
5/28/81	4	11	47	25	51	36
5/29/81	17	10	45	28	62	38
5/30/81	12	11	11	24	23	35
5/31/81	21	13	15	25	36	38

ATTACHMENT II

DAILY SUMMARY OF BUILDING 302/3 STACK MONITORING

COMBINED TWO-SAMPLER RESULTS

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

<u>Sample Collection Date</u>	<u>Membrane Filters</u>		<u>Impingers</u>		<u>Total</u>	
	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
5/1/81	13	33	10	63	23	96
5/2/81	6	33	123	55	129	88
5/3/81	13	21	42	53	55	74
5/4/81	6	18	22	41	28	59
5/5/81	4	15	32	42	36	57
5/6/81	13	14	53	47	66	61
5/7/81	6	9	20	43	26	52
5/8/81	23	10	32	46	55	56
5/9/81	7	10	82	40	89	50
5/10/81	8	10	246	70	254	80
5/11/81	6	10	80	78	86	88
5/12/81	3	9	19	76	22	85
5/13/81	2	8	42	74	44	82
5/14/81	2	7	30	75	32	83
5/15/81	3	4	21	74	24	78
5/16/81	4	4	77	74	81	78
5/17/81	8	4	88	51	96	55
5/18/81	3	4	14	42	17	46
5/19/81	4	4	66	48	70	52
5/20/81	5	4	232	75	237	79
5/21/81	2	4	56	79	58	83
5/22/81	4	4	40	82	44	86
5/23/81	3	4	36	76	39	80
5/24/81	49	10	55	71	104	81
5/25/81	4	10	55	77	59	87
5/26/81	2	10	40	73	42	83
5/27/81	2	9	20	43	22	52
5/28/81	3	10	22	38	25	48
5/29/81	16	11	14	35	30	46
5/30/81	20	14	9	31	29	45
5/31/81	13	9	20	26	33	35

ATTACHMENT III
 DAILY SUMMARY OF BUILDING 111 STACK MONITORING

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

<u>Sample Collection Date</u>	<u>Membrane Filter</u>		<u>Impingers</u>		<u>Total</u>	
	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
5/1/81	7	34	1169	1284	1176	1318
5/2/81	17	30	1169	1246	1186	1276
5/3/81	17	26	1169	1207	1186	1233
5/4/81	17	22	1169	1169	1186	1191
5/5/81	38	25	447	1066	485	1091
5/6/81	33	20	447	963	480	983
5/7/81	11	20	447	860	458	880
5/8/81	0	19	447	756	447	775
5/9/81	9	18	447	653	456	671
5/10/81	9	17	447	550	456	567
5/11/81	9	16	447	447	456	463
5/12/81	1	10	72	393	72	343
5/13/81	23	9	72	340	95	349
5/14/81	7	8	18	279	25	287
5/15/81	2	9	9	216	11	225
5/16/81	6	8	3	153	9	161
5/17/81	1	7	2	89	3	96
5/18/81	1	6	9	26	10	32
5/19/81	5	6	5	17	10	23
5/20/81	1	3	9	8	10	11
5/21/81	0	2	58	14	58	16
5/22/81	1	2	4	13	5	15
5/23/81	1	1	3	13	4	14
5/24/81	0	1	2	13	2	14
5/25/81	0	1	6	12	6	13
5/26/81	0	0	9	13	9	13
5/27/81	2	1	9	13	11	14
5/28/81	0	1	8	6	8	7
5/29/81	1	1	2	6	3	7
5/30/81	1	1	2	5	3	6
5/31/81	2	1	4	6	6	7