

Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650

70-143

PDR

(615) 743-9141

November 17, 1982

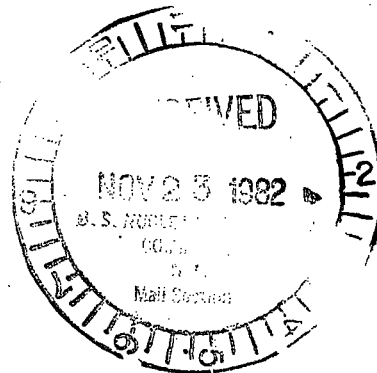
Return to 39655

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 Number 70-143;SNM-124

Gentlemen:



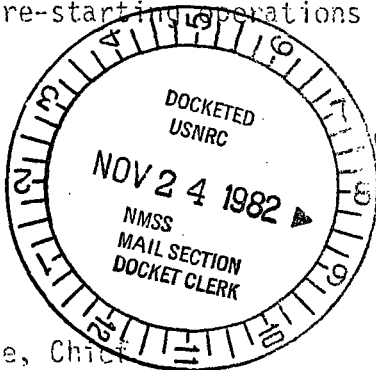
In accordance with Condition 61, Amendment No. 6 and Condition 67, Amendment No. 9 of SNM-124, this report is submitted on the airborne radioactivity concentrations released from plant stacks for the month of October, 1982.

Attachment I lists the concentrations from Building 223 and Building 302/303 main stacks. Both stacks operated below the reporting limit for the month.

Attachment II lists the concentrations from the Building 111 stacks. These stacks also operated below the reporting limit for the month of October.

Attachment III lists the concentrations for the Building 302 [redacted]. These stack concentrations were in excess of the Condition 61 reporting limit for five days during the month. It is believed that the elevated concentration was erroneous due to a large hole that had developed in the sampling probe. Condensate running down the inside of the stack apparently entered the sample probe and caused the erroneous elevated concentration. A new probe was installed on October 4, 1982, and the concentration returned to normal. This sampling probe is now inspected monthly.

Attachment IV lists the concentrations from the Building 130 stack. These concentrations were in excess of the reporting limit for fourteen days during the month. As previously reported, a filter will be installed on the scrubber water line prior to re-starting operations in this building.



Very truly yours,

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

SEARCHED
wfo 21610

WCM:tw
Attachments

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

Information Category: Unclassified

W. C. Manser, Jr. 11/16/82

8212150293 821117
PDR ADOCK 07000143
C PDR

ATTACHEMNT I

DAILY SUMMARY OF STACK MONITORING

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

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>
10/01/82	52	31	24	17
10/02/82	22	33	12	16
10/03/82	28	34	13	15
10/04/82	42	36	8	14
10/05/82	70	42	16	15
10/06/82	78	46	9	13
10/07/82	30	46	9	13
10/08/82	27	42	9	11
10/09/82	24	43	14	11
10/10/82	21	42	29	13
10/11/82	56	44	13	14
10/12/82	23	37	15	14
10/13/82	22	29	13	15
10/14/82	22	28	11	15
10/15/82	19	27	16	16
10/16/82	16	26	48	21
10/17/82	29	27	42	23
10/18/82	18	21	18	23
10/19/82	20	21	67	31
10/20/82	20	21	25	32
10/21/82	25	21	35	36
10/22/82	25	22	39	39
10/23/82	21	23	32	37
10/24/82	18	21	46	37
10/25/82	24	22	17	37
10/26/82	22	22	18	30
10/27/82	22	22	25	30
10/28/82	26	23	44	32
10/29/82	33	24	15	32
10/30/82	24	24	50	35
10/31/82	27	25	57	37

8212150298 821117
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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 #237</u>		<u>[REDACTED] #278</u>	
	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
10/01/82	5	6	2	5
10/02/82	3	6	22	8
10/03/82	5	5	9	9
10/04/82	9	6	13	11
10/05/82	11	7	8	12
10/06/82	9	7	1	9
10/07/82	8	7	3	8
10/08/82	9	8	7	9
10/09/82	12	9	6	7
10/10/82	15	11	8	7
10/11/82	8	10	4	5
10/12/82	9	10	43	10
10/13/82	6	10	9	11
10/14/82	9	10	7	12
10/15/82	12	10	14	13
10/16/82	17	11	7	13
10/17/82	15	11	6	13
10/18/82	8	11	6	13
10/19/82	8	11	10	9
10/20/82	10	11	11	9
10/21/82	9	11	5	9
10/22/82	17	12	8	8
10/23/82	22	13	4	7
10/24/82	10	12	2	7
10/25/82	9	12	1	6
10/26/82	8	12	2	5
10/27/82	100	25	7	4
10/28/82	31	28	2	4
10/29/82	32	30	5	3
10/30/82	27	31	2	3
10/31/82	27	34	2	3

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>Daily Average</u>
10/01/82	12	20
10/02/82	13	20
10/03/82	127	34
10/04/82	367	83
10/05/82	177	103
10/06/82	10	102
10/07/82	11	102
10/08/82	11	102
10/09/82	25	104
10/10/82	16	88
10/11/82	16	38
10/12/82	11	14
10/13/82	6	14
10/14/82	*	*
10/15/82	*	*
10/16/82	8	11
10/17/82	9	10
10/18/82	4	7
10/19/82	9	7
10/20/82	10	8
10/21/82	14	9
10/22/82	19	10
10/23/82	8	10
10/24/82	45	15
10/25/82	15	17
10/26/82	9	17
10/27/82	20	19
10/28/82	11	18
10/29/82	16	18
10/30/82	23	20
10/31/82	14	16

* [REDACTED] Down

ATTACHMENT IV

DAILY SUMMARY OF STACK MONITORING

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

Building 130

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>Daily Average</u>
10/01/82	10	25
10/02/82	8	28
10/03/82	6	27
10/04/82	10	27
10/05/82	14	24
10/06/82	1335	208
10/07/82	1759	449
10/08/82	116	464
10/09/82	258	499
10/10/82	21	502
10/11/82	14	503
10/12/82	437	563
10/13/82	697	472
10/14/82	60	229
10/15/82	81	224
10/16/82	9	188
10/17/82	11	187
10/18/82	6	115
10/19/82	3	124
10/20/82	8	25
10/21/82	5	17
10/22/82	4	6
10/23/82	22	8
10/24/82	12	9
10/25/82	11	9
10/26/82	12	11
10/27/82	10	11
10/28/82	8	11
10/29/82	17	13
10/30/82	13	12
10/31/82	15	12

Data listed are U-234 concentrations.