

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

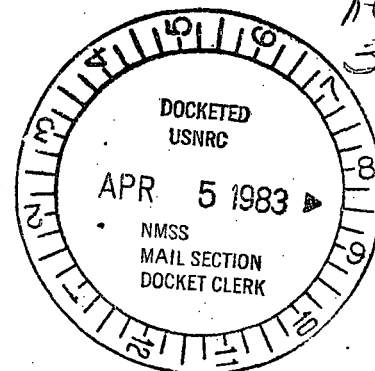
70-143

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(615) 743-9141

March 15, 1983

PDR  
Return to  
39655



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 February, 1983.

The attachments lists the concentrations from the major stacks. Building 233 stack was in excess of the reporting limit for eleven days during the month. Investigations could not specifically identify the causes of the elevated activity. Work is now in progress in Building 233 to change over to the new ventilation system. This change over should be completed before our next report.

All other stacks were below the Condition 61 reporting limit for the month of February.

Very truly yours,

*W.C. Manser, Jr.*

W. C. Manser, Jr.  
General Manager

WCM:tlw

FILE EXEMPT

Attachments

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

INFORMATION CATEGORY UNCLASSIFIED	
<i>L.A. Byers Jr.</i>	3/15/83
Authorized Classifier	Date

22073

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

<u>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>
02/01/83	56	52	13	28
02/02/83	57	52	28	19
02/03/83	75	52	18	18
02/04/83	50	52	18	19
02/05/83	175	73	13	18
02/06/83	69	74	14	17
02/07/83	59	77	15	17
02/08/83	56	77	11	17
02/09/83	37	74	29	17
02/10/83	62	73	41	20
02/11/83	123	83	15	20
02/12/83	90	71	15	20
02/13/83	56	69	82	30
02/14/83	605	147	31	32
02/15/83	173	164	11	32
02/16/83	23	162	11	29
02/17/83	19	156	23	27
02/18/83	43	144	24	28
02/19/83	18	134	27	30
02/20/83	15	128	25	22
02/21/83	26	45	28	21
02/22/83	200	49	40	25
02/23/83	10	47	18	26
02/24/83	15	47	24	27
02/25/83	1525	258	33	28
02/26/83	70	266	42	30
02/27/83	14	266	22	30
02/28/83	15	264	57	34

ATTACHMENT II

DAILY SUMMARY OF STACK MONITORING

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

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>
02/01/83	25	21	3	3
02/02/83	40	22	2	3
02/03/83	22	20	17	4
02/04/83	20	20	4	4
02/05/83	6	19	3	4
02/06/83	9	20	2	5
02/07/83	23	20	9	6
02/08/83	29	21	5	6
02/09/83	32	20	5	6
02/10/83	21	20	12	6
02/11/83	19	20	4	6
02/12/83	5	20	3	6
02/13/83	6	19	2	6
02/14/83	16	18	3	5
02/15/83	6	15	1	4
02/16/83	34	15	2	4
02/17/83	10	14	2	2
02/18/83	33	16	1	2
02/19/83	5	16	2	2
02/20/83	6	16	1	2
02/21/82	15	15	1	1
02/22/83	22	18	1	1
02/23/83	5	14	1	1
02/24/83	7	13	1	1
02/25/83	6	9	1	1
02/26/83	5	9	1	1
02/27/83	12	10	1	1
02/28/83	7	9	1	1

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>
02/01/83	20	22
02/02/83	13	20
02/03/83	24	21
02/04/83	21	21
02/05/83	17	21
02/06/83	13	19
02/07/83	41	21
02/08/83	28	22
02/09/83	81	32
02/10/83	33	33
02/11/83	63	39
02/12/83	21	40
02/13/83	59	47
02/14/83	49	48
02/15/83	49	51
02/16/83	26	43
02/17/83	41	44
02/18/83	42	41
02/19/83	19	41
02/20/83	16	35
02/21/83	17	30
02/22/83	17	26
02/23/83	4	22
02/24/83	6	17
02/25/83	4	12
02/26/83	45	16
02/27/83	27	17
02/28/83	25	18

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>7-Day Average</u>
02/01/83	8	13
02/02/83	22	14
02/03/83	9	14
02/04/83	14	13
02/05/83	7	12
02/06/83	8	11
02/07/83	41	15
02/08/83	16	17
02/09/83	58	22
02/10/83	13	22
02/11/83	16	23
02/12/83	9	23
02/13/83	26	26
02/14/83	17	22
02/15/83	12	22
02/16/83	10	15
02/17/83	13	15
02/18/83	31	17
02/19/83	5	16
02/20/83	11	14
02/21/83	14	14
02/22/83	17	14
02/23/83	4	13
02/24/83	5	12
02/25/83	6	9
02/26/83	7	9
02/27/83	9	10
02/28/83	9	8

Data listed are U-234 Concentrations.