

Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650

70-143

PDR

(615) 743-9141

Return

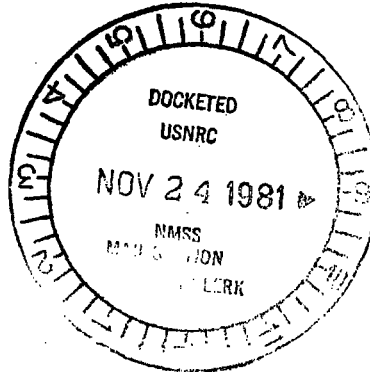
November 13, 1981

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:



D. CRAME,
396-SS


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 1981.

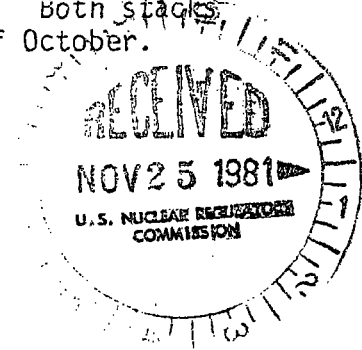
Attachment I lists the concentrations from Building 233 and Building 302/303 stacks. The Building 233 stack concentrations were in excess of the Condition 61 reporting limit for eight days during the month. The apparent cause of these off-normal concentrations was the [redacted] of materials which had not been previously [redacted]. Although [redacted] of the material was terminated on October 11, several additional days were required to clean out the system. As further corrective action, NFS is installing a roughing filter housing on the off-gas system so that roughing filters may be used during the [redacted] of selected materials.

The Building 302/303 stack concentrations were in excess of the Condition 61 reporting limit for eight days. This, of course, was due to the October 11 UF_6 release which was reported to you on October 12 and which has been the subject of a sustained and detailed investigation. The immediate and proposed corrective action has been provided to the NRC during and following the special inspection prompted by the release.

Attachment II lists the concentrations from Building 111 stacks. Both stacks remained below the Condition 61 reporting limit for the month of October.

Very truly yours,


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

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FILE EXEMPT

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

Sample Collection Date	Building 233		Building 302/303	
	Daily Average	7-Day Average	Daily Average	7-Day Average
10/1/81	90	157	22	15
10/2/81	62	105	78	25
10/3/81	41	82	45	28
10/4/81	56	68	15	29
10/5/81	153	78	27	30
10/6/81	78	78	27	32
10/7/81	74	79	88	43
10/8/81	46	73	27	44
10/9/81	95	78	28	37
10/10/81	130	90	25	34
10/11/81	191	110	22	35
10/12/81	104	103	23861	3440
10/13/81	109	107	119	3453
10/14/81	119	113	240	3475
10/15/81	110	123	50	3478
10/16/81	27	113	22	3477
10/17/81	33	99	46	3480
10/18/81	22	75	149	3498
10/19/81	16	62	63	98
10/20/81	14	49	153	103
10/21/81	27	36	42	75
10/22/81	34	25	68	78
10/23/81	21	24	48	81
10/24/81	16	21	35	80
10/25/81	28	22	32	63
10/26/81	23	23	29	58
10/27/81	46	28	24	40
10/28/81	48	31	23	37
10/29/81	93	39	23	31
10/30/81	160	59	22	27
10/31/81	68	67	35	27

ATTACHMENT II
DAILY SUMMARY OF STACK MONITORING

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

Building III

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>
10/1/81	11	9	102	91
10/2/81	5	9	3	92
10/3/81	8	7	7	62
10/4/81	5	7	14	40
10/5/81	6	7	44	28
10/6/81	8	7	38	30
10/7/81	8	7	84	42
10/8/81	8	7	9	29
10/9/81	6	7	4	29
10/10/81	17	8	*	
10/11/81	3	8	*	
10/12/81	19	10	*	
10/13/81	14	11	*	
10/14/81	8	11	*	
10/15/81	33	14	*	
10/16/81	3	14	*	
10/17/81	8	13	1	
10/18/81	4	13	0	
10/19/81	2	11	0	
10/20/81	3	9	0	
10/21/81	5	8	0	
10/22/81	8	5	1	
10/23/81	3	5	1	0
10/24/81	2	4	1	0
10/25/81	27	8	3	1
10/26/81	7	8	0	1
10/27/81	5	8	0	1
10/28/81	2	8	2	1
10/29/81	4	7	1	1
10/30/81	5	8	2	1
10/31/81	5	8	1	1

DATA LISTED ARE U-234 CONCENTRATIONS. * [REDACTED] not running, sampler inoperable.