



Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650

216-83-0029
GOV-07-55

(615) 743-91

June 14, 1983

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 May, 1983.

The attached tables list the concentrations from the major stacks. All buildings were below the Condition 61 reporting limit for May, 1983.

All process ventilation from the high enriched operations, Buildings 233, 302, & 303 is now being released through a common vent; hereafter referred to as Stack #416, the new main stack.

Very truly yours,

F. K. Guinn
F. K. Guinn
Plant Manager

FKG:tlw

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

INFORMATION CATEGORY

UNCLASSIFIED

CLASSIFIED

C. J. H. A. 6/14/83
REVIEWED BY DATE

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ATTACHMENT I
 DAILY SUMMARY OF STACK MONITORING
 UNITS: Ci/ml x 10⁻¹²

Sample Collection Date	Bldg. 302/303*		New Main Stack #416	
	Daily Average	7-Day Average	Daily Average	7-Day Average
05/01/83	1	8	0.19	0.82
05/02/83	4	6	0.58	0.90
05/03/83	6	6	0	0.87
05/04/83	27	9	0.78	0.88
05/05/83	29	13	0.07	0.85
05/06/83	9	13	0.40	0.89
05/07/83	5	12	0.75	0.40
05/08/83	18	14	1.62	0.60
05/09/83	6	14	0.11	0.53
05/10/83	4	14	3.92	1.09
05/11/83	5	11	0	0.98
05/12/83	9	8	0.38	1.03
05/13/83	4	7	0.92	1.10
05/14/83	4	7	0	0.76
05/15/83	2	5	1.39	0.96
05/16/83	10	5	6.44	1.86
05/17/83	4	5	0.27	1.34
05/18/83	1	5	2.34	1.68
05/19/83	4	4	2.25	1.94
05/20/83	5	4	0.56	1.89
05/21/83	2	4	0.75	2.00
05/22/83	1	4	0.14	1.82
05/23/83	2	3	2.22	1.22
05/24/83	3	3	0.52	1.25
05/25/83	**See note below.		0.15	0.94
05/26/83			0	0.66
05/27/83			1.24	0.72
05/28/83			1.18	0.79
05/29/83			0.45	0.82
05/30/83			1.08	0.66
05/31/83			1.29	0.77

* Bldg. 302/303 is combined Two-Sampler Result.

** On 5/25/83, Bldg. 302/303 Samples were discontinued as all process ventilation for this facility was vented into the new main stack.

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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>[REDACTED] #278</u>		<u>Main Scrubber #287</u>	
	<u>Daily Average</u>	<u>7-Day Average</u>	<u>Daily Average</u>	<u>7-Day Average</u>
05/01/83	0.2	0.5	1	7
05/02/83	0.2	0.4	2	6
05/03/83	0.2	0.4	4	5
05/04/83	0.4	0.3	5	5
05/05/83	0.4	0.3	2	5
05/06/83	0.4	0.3	7	5
05/07/83	0.3	0.3	2	3
05/08/83	0.8	0.4	5	4
05/09/83	0.8	0.5	1	4
05/10/83	0.3	0.5	1	3
05/11/83	0.1	0.4	1	3
05/12/83	0.2	0.4	2	3
05/13/83	0.2	0.4	1	2
05/14/83	0.2	0.4	16	4
05/15/83	0.1	0.3	1	3
05/16/83	0.2	0.2	28	7
05/17/83	0.1	0.2	1	7
05/18/83	0.6	0.2	4	8
05/19/83	0.4	0.3	3	8
05/20/83	0.1	0.2	1	8
05/21/83	0.1	0.2	0	6
05/22/83	0.2	0.2	2	6
05/23/83	0.1	0.2	3	2
05/24/83	0.6	0.3	6	3
05/25/83	0.6	0.3	3	3
05/26/83	0.3	0.3	1	2
05/27/83	0.3	0.3	0	2
05/28/83	0.3	0.4	0	2
05/29/83	0.2	0.4	4	3
05/30/83	0.4	0.4	3	3
05/31/83	0.2	0.3	9	3

ATTACHMENT III

DAILY SUMMARY OF STACK MONITORING

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

BUILDING 302 [REDACTED]

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>
05/01/83	1	23
05/02/83	13	22
05/03/83	13	16
05/04/83	7	14
05/05/83	7	13
05/06/83	5	13
05/07/83	6	7
05/08/83	16	10
05/09/83	4	8
05/10/83	4	7
05/11/83	2	6
05/12/83	2	6
05/13/83	1	5
05/14/83	3	5
05/15/83	1	2
05/16/83	34	7
05/17/83	1	6
05/18/83	3	6
05/19/83	22	9
05/20/83	4	10
05/21/83	4	10
05/22/83	1	10
05/23/83	12	7
05/24/83	8	8
05/25/83	*See note below.	
05/26/83	32	12
05/27/83	11	10
05/28/83	1	10
05/29/83	2	9
05/30/83	5	10
05/31/83	18	11

* Stack and sampling system were disassembled on this date for repairs;
no exhausting of effluent occurred.

ATTACHMENT IV

DAILY SUMMARY OF STACK MONITORING
 UNITS: $\mu\text{Ci}/\text{ml} \times 10^{-12}$
 BUILDING 130

<u>Sample Collection Date</u>	<u>Daily Average</u>	<u>7-Day Average</u>
05/01/83	1	1
05/02/83	0	1
05/03/83	2	1
05/04/83	3	1
05/05/83	8	3
05/06/83	3	3
05/07/83	5	3
05/08/83	3	4
05/09/83	1	4
05/10/83	3	4
05/11/83	1	3
05/12/83	5	3
05/13/83	4	3
05/14/83	0	2
05/15/83	1	2
05/16/83	5	3
05/17/83	0	2
05/18/83	3	3
05/19/83	0	2
05/20/83	3	2
05/21/83	2	2
05/22/83	0	2
05/23/83	2	2
05/24/83	8	3
05/25/83	2	2
05/26/83	0	2
05/27/83	16	4
05/28/83	13	6
05/29/83	2	6
05/30/83	1	6
05/31/83	7	6