



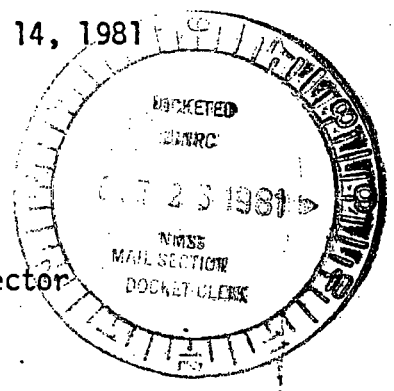
Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37

70-143

PDR Return to
D. Cranor
396-55
43-9141

October 14, 1981

U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303



1981 OCT 21 AM

Attention: Mr. J. P. O'Reilly, Director

Reference: Docket 70-143; SNM-124

Gentlemen:

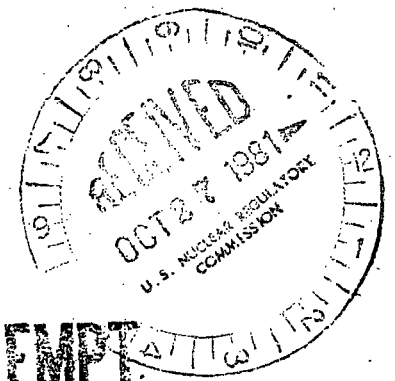
In accordance with Condition 61, Amendment No. 6 and Condition 67, Amendment No. 9 of SNM-124, this report is submitted on the airborne radioactive stack concentrations from the plant for the month of September, 1981.

Attachment I lists the concentrations from Building 233 and Building 302/303 stacks. Building 302/303 stack was below the reporting limit for the entire month of September. Building 233 stack was in excess of the reporting limit for six days during the month. No unusual occurrences were identified during the investigation. A possible cause of the elevated concentrations is the duct cleaning action from the [redacted] ducting clean-out that was performed on September 22, 1981. As shown in the data the daily concentrations limitation was achieved on September 28, 1981.

Attachment II lists the concentrations from the Building 111 stacks. Both stacks remained below the reporting limit for the month of September. It should be noted, however, that corrective actions were taken as a result of the elevated concentrations reported on September 26 and 27. These actions apparently resulted in lowering the main stack concentrations.

Very truly yours,

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



WCM/pts

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

FEE EXEMPT

10523

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PDR ADOCK 07000143
C PDR

ATTACHMENT I

DAILY SUMMARY OF STACK MONITORING

Combined Two-Sampler Results

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

| <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> |
| 9/1/81 | 58 | 49 | 72 | 46 |
| 9/2/81 | 57 | 52 | 28 | 38 |
| 9/3/81 | 34 | 55 | 32 | 35 |
| 9/4/81 | 29 | 49 | 49 | 37 |
| 9/5/81 | 57 | 53 | 50 | 40 |
| 9/6/81 | 41 | 48 | 24 | 41 |
| 9/7/81 | 35 | 44 | 21 | 39 |
| 9/8/81 | 123 | 54 | 20 | 32 |
| 9/9/81 | 45 | 52 | 16 | 30 |
| 9/10/81 | 110 | 63 | 25 | 29 |
| 9/11/81 | 34 | 64 | 27 | 26 |
| 9/12/81 | 54 | 63 | 18 | 22 |
| 9/13/81 | 45 | 64 | 49 | 25 |
| 9/14/81 | 58 | 67 | 46 | 29 |
| 9/15/81 | 103 | 64 | 39 | 31 |
| 9/16/81 | 90 | 71 | 17 | 32 |
| 9/17/81 | 28 | 59 | 25 | 32 |
| 9/18/81 | 16 | 56 | 15 | 30 |
| 9/19/81 | 75 | 59 | 58 | 36 |
| 9/20/81 | 54 | 61 | 64 | 38 |
| 9/21/81 | 99 | 66 | 154 | 53 |
| 9/22/81 | 63 | 61 | 14 | 50 |
| 9/23/81 | 74 | 58 | 15 | 49 |
| 9/24/81 | 298 | 97 | 15 | 48 |
| 9/25/81 | 426 | 156 | 8 | 47 |
| 9/26/81 | 201 | 174 | 25 | 42 |
| 9/27/81 | 154 | 188 | 6 | 34 |
| 9/28/81 | 83 | 185 | 17 | 14 |
| 9/29/81 | 77 | 188 | 12 | 14 |
| 9/30/81 | 69 | 187 | 13 | 14 |

ATTACHMENT II

DAILY SUMMARY OF STACK MONITORING

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

Building 111

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> |
|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 9/1/81 | 4 | 7 | 7 | 8 |
| 9/2/81 | 18 | 8 | 4 | 8 |
| 9/3/81 | 27 | 11 | 15 | 10 |
| 9/4/81 | 5 | 11 | 8 | 9 |
| 9/5/81 | 1 | 10 | 1 | 8 |
| 9/6/81 | 1 | 10 | 11 | 9 |
| 9/7/81 | 5 | 9 | 5 | 7 |
| 9/8/81 | 5 | 9 | 44 | 12 |
| 9/9/81 | 6 | 7 | 19 | 14 |
| 9/10/81 | 4 | 5 | 4 | 13 |
| 9/11/81 | 11 | 5 | 13 | 14 |
| 9/12/81 | 8 | 5 | 2 | 14 |
| 9/13/81 | 2 | 6 | 2 | 13 |
| 9/14/81 | 4 | 6 | 2 | 12 |
| 9/15/81 | 8 | 5 | 2 | 6 |
| 9/16/81 | 19 | 8 | 1 | 4 |
| 9/17/81 | 8 | 8 | 13 | 5 |
| 9/18/81 | 2 | 8 | 1 | 3 |
| 9/19/81 | 11 | 8 | 1 | 3 |
| 9/20/81 | 5 | 8 | 2 | 3 |
| 9/21/81 | 1 | 8 | 2 | 3 |
| 9/22/81 | 11 | 8 | 8 | 4 |
| 9/23/81 | 13 | 8 | 1 | 4 |
| 9/24/81 | 5 | 7 | 2 | 2 |
| 9/25/81 | 5 | 7 | 2 | 2 |
| 9/26/81 | 22 | 9 | 218 | 33 |
| 9/27/81 | 8 | 9 | 169 | 57 |
| 9/28/81 | 6 | 11 | 124 | 74 |
| 9/29/81 | 5 | 9 | 23 | 77 |
| 9/30/81 | 8 | 8 | 2 | 77 |

DATA LISTED IS U-234 CONCENTRATIONS.

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