

Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650

70-143

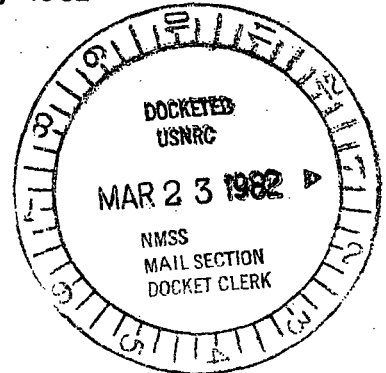
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March 15, 1982

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

NUCLEAR REG.
COMMISSION
MAIL SECTION



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 1982.

Attachment I lists the concentrations from Building 233 and Building 302/303 main stacks. The Building 233 stack concentrations were in excess of the Condition 61 reporting limit for six days during the month. The elevated concentrations occurred during cleanout of the [redacted] and [redacted]. The cleanouts resulted in loading of the [redacted] duct roughing filters and a build-up of [redacted] in the filter housing box. The roughing filters were changed and the filter housing was cleaned out.

Building 302/303 stack concentrations remained below the reporting limit for the month of February.

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

Attachment III lists the concentrations from the Building 302 [redacted] stack. As reported last month, the concentrations fell below the reporting limit on February 6, 1982. The concentrations remained below the reporting limit for the rest of the month.

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

Very truly yours,

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

FEE EXEMPT 3/23/82

20413

ATTACHMENT I

DAILY SUMMARY OF STACK MONITORING

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

COMBINED TWO SAMPLER RESULTS

Building 233Building 302/303

| <u>Sample Collection Date</u> | <u>Daily Average</u> | <u>Daily Average</u> | <u>Daily Average</u> | <u>Daily Average</u> |
|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2/1/82 | 37 | 54 | 34 | 16 |
| 2/2/82 | 26 | 46 | 9 | 15 |
| 2/3/82 | 18 | 40 | 8 | 15 |
| 2/4/82 | 30 | 36 | 15 | 14 |
| 2/5/82 | 72 | 42 | 20 | 15 |
| 2/6/82 | 26 | 39 | 24 | 17 |
| 2/7/82 | 21 | 33 | 23 | 19 |
| 2/8/82 | 21 | 31 | 46 | 21 |
| 2/9/82 | 27 | 31 | 30 | 24 |
| 2/10/82 | 20 | 31 | 60 | 31 |
| 2/11/82 | 20 | 30 | 212 | 59 |
| 2/12/82 | 25 | 23 | 36 | 62 |
| 2/13/82 | 58 | 27 | 23 | 61 |
| 2/14/82 | 32 | 29 | 50 | 65 |
| 2/15/82 | 49 | 33 | 81 | 70 |
| 2/16/82 | 96 | 43 | 16 | 68 |
| 2/17/82 | 189 | 67 | 49 | 67 |
| 2/18/82 | 236 | 98 | 51 | 44 |
| 2/19/82 | 103 | 109 | 44 | 45 |
| 2/20/82 | 129 | 119 | 34 | 45 |
| 2/21/82 | 64 | 124 | 40 | 45 |
| 2/22/82 | 85 | 129 | 45 | 40 |
| 2/23/82 | 122 | 133 | 60 | 46 |
| 2/24/82 | 81 | 117 | 46 | 46 |
| 2/25/82 | 70 | 93 | 56 | 46 |
| 2/26/82 | 36 | 84 | 187 | 65 |
| 2/27/82 | 62 | 74 | 31 | 65 |
| 2/28/82 | 79 | 76 | 22 | 66 |

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>Daily Average</u> | <u>Daily Average</u> | <u>Daily Average</u> |
|---------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 2/1/82 | 5 | 6 | 81 | 22 |
| 2/2/82 | 7 | 6 | 17 | 24 |
| 2/3/82 | 2 | 5 | 6 | 24 |
| 2/4/82 | 6 | 5 | 7 | 24 |
| 2/5/82 | 10 | 6 | 16 | 22 |
| 2/6/82 | 23 | 8 | 7 | 20 |
| 2/7/82 | 14 | 10 | 4 | 20 |
| 2/8/82 | 5 | 10 | 14 | 10 |
| 2/9/82 | 11 | 10 | 2 | 8 |
| 2/10/82 | 8 | 11 | 34 | 12 |
| 2/11/82 | 6 | 11 | 14 | 13 |
| 2/12/82 | 7 | 11 | 3 | 11 |
| 2/13/82 | 11 | 9 | 25 | 14 |
| 2/14/82 | 12 | 8 | 7 | 14 |
| 2/15/82 | 8 | 9 | 4 | 13 |
| 2/16/82 | 10 | 9 | 19 | 15 |
| 2/17/82 | 9 | 9 | 8 | 11 |
| 2/18/82 | 8 | 9 | 10 | 11 |
| 2/19/82 | 8 | 9 | 2 | 11 |
| 2/20/82 | 10 | 9 | 4 | 8 |
| 2/21/82 | 8 | 8 | 2 | 7 |
| 2/22/82 | 11 | 9 | 8 | 8 |
| 2/23/82 | 11 | 9 | 4 | 5 |
| 2/24/82 | 8 | 9 | 5 | 5 |
| 2/25/82 | 12 | 10 | 2 | 4 |
| 2/26/82 | 15 | 11 | 23 | 7 |
| 2/27/82 | 17 | 12 | 2 | 7 |
| 2/28/82 | 6 | 11 | 8 | 8 |

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> |
|---------------------------------------|--------------------------|--------------------------|
| 2/1/82 | 52 | 177 |
| 2/2/82 | 49 | 184 |
| 2/3/82 | 37 | 188 |
| 2/4/82 | 40 | 194 |
| 2/5/82 | 134 | 124 |
| 2/6/82 | 114 | 67 |
| 2/7/82 | 91 | 74 |
| 2/8/82 | 43 | 72 |
| 2/9/82 | 0 | 65 |
| 2/10/82 | 0 | 60 |
| 2/11/82 | 0 | 55 |
| 2/12/82 | 0 | 35 |
| 2/13/82 | 0 | 17 |
| 2/14/82 | 0 | 6 |
| 2/15/82 | 15 | 2 |
| 2/16/82 | 33 | 7 |
| 2/17/82 | 27 | 11 |
| 2/18/82 | 37 | 16 |
| 2/19/82 | 358 | 67 |
| 2/20/82 | 13 | 69 |
| 2/21/82 | 15 | 71 |
| 2/22/82 | 8 | 70 |
| 2/23/82 | 13 | 68 |
| 2/24/82 | 15 | 65 |
| 2/25/82 | 36 | 66 |
| 2/26/82 | 61 | 23 |
| 2/27/82 | 66 | 31 |
| 2/28/82 | 28 | 31 |

NOTE: [REDACTED] shut down 2/9 to 2/14 for major repairs on
ventilation system.

20113