



Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650

70-143

RECEIVED

(615) 743-914

FEB 24 AM 11 07 February 15, 1982

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

Attention: Mr. J.P. O'Reilly
Regional Administrator

Reference: Docket 70-143; SNM-124

Gentlemen:

U.S. NUCLEAR REGULATORY COMMISSION
MAIL SECTION
RECEIVED
MAR 3 1982

DOCKETED
USNRC
MAR 4 1982
NMSS
MAIL SECTION
DOCKET CLERK

PDR
Return to Clara Covington 39655

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 January 1982.

Attachment I lists the concentrations from Building 233 and Building 302/303 main stacks. Both stacks remained below the Condition 61 reporting limit for the month of January.

Attachment II lists the concentrations from the Building 111 stacks. Both stacks continue to operate below the Condition 61 reporting limit for the month of January.

Attachment III lists the concentrations from the Building 302 [redacted] stack. The [redacted] stack concentrations were in excess of the Condition 61 reporting limit for the last days of the month. The concentration fell below the reporting limit on February 6, 1982. The apparent cause of the elevated concentrations was the entrainment of scrubber solution into the stack. Previously planned major repairs on the [redacted] ventilation system were started on February 8, 1982. When repairs are completed the system will be adjusted to minimize scrubber solution entrainment.

Very truly yours,

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

WCM:jp
Attachments (3)
R.D. Page, Chief
Uranium Fuel Licensing Branch
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RECEIVED
USNRC
FEB 26 1982
NMSS
MAIL SECTION
DOCKET CLERK

20314

FEE EXEMPT

8203160070 820215
PDR ADOCK 07000143
C PDR

ATTACHMENT 1
 DAII SUMMARY OF STACK MONITORING

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

COMBINED TWO SAMPLER RESULTS

| Sample Collection Date | <u>Building 233</u> | | <u>Building 302/303</u> | |
|------------------------------|---------------------|------------------|-------------------------|------------------|
| | Daily Average | 7-day Average | Daily Average | 7-day Average |
| 1/1/82 | 59 | 61 | 14 | 28 |
| 1/2/82 | 20 | 60 | 25 | 29 |
| 1/3/82 | 16 | 38 | 42 | 31 |
| 1/4/82 | 31 | 39 | 112 | 43 |
| 1/5/82 | 20 | 39 | 44 | 39 |
| 1/6/82 | 17 | 34 | 53 | 44 |
| 1/7/82 | 27 | 27 | 29 | 46 |
| 1/8/82 | 22 | 22 | 22 | 47 |
| 1/9/82 | 30 | 23 | 26 | 47 |
| 1/10/82 | 3 | 21 | 14 | 43 |
| 1/11/82 | 2 | 17 | 4 | 27 |
| 1/12/82 | 8 | 16 | 13 | 23 |
| 1/13/82 | 63 | 22 | 11 | 17 |
| 1/14/82 | 3 | 19 | 7 | 14 |
| 1/15/82 | 2 | 16 | 13 | 13 |
| 1/16/82 | 74 | 22 | 22 | 12 |
| 1/17/82 | 25 | 25 | 16 | 12 |
| 1/18/82 | 58 | 33 | 65 | 21 |
| 1/19/82 | 26 | 36 | 6 | 20 |
| 1/20/82 | 19 | 30 | 17 | 21 |
| 1/21/82 | 17 | 32 | 61 | 29 |
| 1/22/82 | 172 | 55 | 18 | 29 |
| 1/23/82 | 89 | 58 | 16 | 28 |
| 1/24/82 | 57 | 63 | 12 | 28 |
| 1/25/82 | 141 | 74 | 11 | 20 |
| 1/26/82 | 69 | 81 | 14 | 21 |
| 1/27/82 | 58 | 86 | 7 | 20 |
| 1/28/82 | 62 | 93 | 17 | 14 |
| 1/29/82 | 27 | 72 | 15 | 13 |
| 1/30/82 | 34 | 64 | 10 | 12 |
| 1/31/82 | 34 | 61 | 7 | 12 |

ATTACHMENT II

DAILY SUMMARY OF STACK MONITORING

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

BUILDING 111

| Sample Collection Date | Main Scrubber #287 | | [REDACTED] #278 | |
|------------------------------|--------------------|------------------|------------------|------------------|
| | Daily Average | 7-day Average | Daily Average | 7-day Average |
| 1/1/82 | 6 | 8 | 3 | 17 |
| 1/2/82 | 2 | 7 | 8 | 17 |
| 1/3/82 | 3 | 7 | 7 | 17 |
| 1/4/82 | 7 | 8 | 11 | 18 |
| 1/5/82 | 9 | 7 | 2 | 18 |
| 1/6/82 | 11 | 8 | 2 | 17 |
| 1/7/82 | 13 | 8 | 3 | 5 |
| 1/8/82 | 11 | 8 | 2 | 5 |
| 1/9/82 | 26 | 11 | 1 | 4 |
| 1/10/82 | 1 | 11 | 0 | 3 |
| 1/11/82 | 0 | 10 | 11 | 3 |
| 1/12/82 | 0 | 9 | 1 | 3 |
| 1/13/82 | 4 | 8 | 2 | 3 |
| 1/14/82 | 8 | 7 | 150 | 25 |
| 1/15/82 | 10 | 7 | 8 | 26 |
| 1/16/82 | 6 | 4 | 7 | 27 |
| 1/17/82 | 4 | 5 | 21 | 30 |
| 1/18/82 | 3 | 5 | 1 | 28 |
| 1/19/82 | 2 | 5 | 1 | 28 |
| 1/20/82 | 4 | 5 | 0 | 28 |
| 1/21/82 | 7 | 5 | 1 | 5 |
| 1/22/82 | 6 | 5 | 1 | 5 |
| 1/23/82 | 5 | 5 | 33 | 8 |
| 1/24/82 | 7 | 5 | 13 | 7 |
| 1/25/82 | 5 | 5 | 2 | 8 |
| 1/26/82 | 10 | 6 | 6 | 8 |
| 1/27/82 | 8 | 7 | 8 | 9 |
| 1/28/82 | 4 | 7 | 1 | 9 |
| 1/29/82 | 7 | 7 | 34 | 14 |
| 1/30/82 | 5 | 7 | 24 | 13 |
| 1/31/82 | 5 | 6 | 2 | 2 |

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> |
|---------------------------------------|--------------------------|--------------------------|
| 1/1/82 | 4 | 5 |
| 1/2/82 | 7 | 5 |
| 1/3/82 | 2 | 5 |
| 1/4/82 | 1 | 4 |
| 1/5/82 | 6 | 5 |
| 1/6/82 | 8 | 6 |
| 1/7/82 | 48 | 11 |
| 1/8/82 | 27 | 14 |
| 1/9/82 | 18 | 16 |
| 1/10/82 | 3 | 16 |
| 1/11/82 | 1 | 15 |
| 1/12/82 | 7 | 17 |
| 1/13/82 | 6 | 17 |
| 1/14/82 | 10 | 12 |
| 1/15/82 | 9 | 11 |
| 1/16/82 | 6 | 8 |
| 1/17/82 | 66 | 18 |
| 1/18/82 | 5 | 17 |
| 1/19/82 | 2 | 16 |
| 1/20/82 | 2 | 14 |
| 1/21/82 | 63 | 22 |
| 1/22/82 | 70 | 30 |
| 1/23/82 | 28 | 34 |
| 1/24/82 | 38 | 30 |
| 1/25/82 | 21 | 32 |
| 1/26/82 | 3 | 33 |
| 1/27/82 | 3 | 32 |
| 1/28/82 | 1 | 24 |
| 1/29/82 | 628 | 103 |
| 1/30/82 | 508 | 172 |
| 1/31/82 | 45 | 173 |

20314