



Nuclear Fuel Services, Inc. ERWIN, TENNESSEE 37650

70-143

PDR

(615) 743-9141

OCT 16 PM

Return to

D. CRAMER

396-55

October 14, 1981

U. S. Nuclear Regulatory Commission
Division of Fuel Cycle and Material Safety
Washington, D. C. 20555

Attention: Mr. R. G. Page, Chief
Uranium Fuel Licensing Branch

Reference: Docket 70-143; SNM-124

Gentlemen:

In accordance with Condition 62, Amendment No. 9, NFS submits the attached gross alpha analysis of the environmental air samplers for the month of September, 1981.

Yours very truly,

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



WCM/pts

attachments

cc: U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street
Atlanta, GA 30303

FEE EXEMPT

info

B110260069 B11014
PDR ADOCK 07000143
C PDR

19805

ENVIRONMENTAL AIR SAMPLE DATA

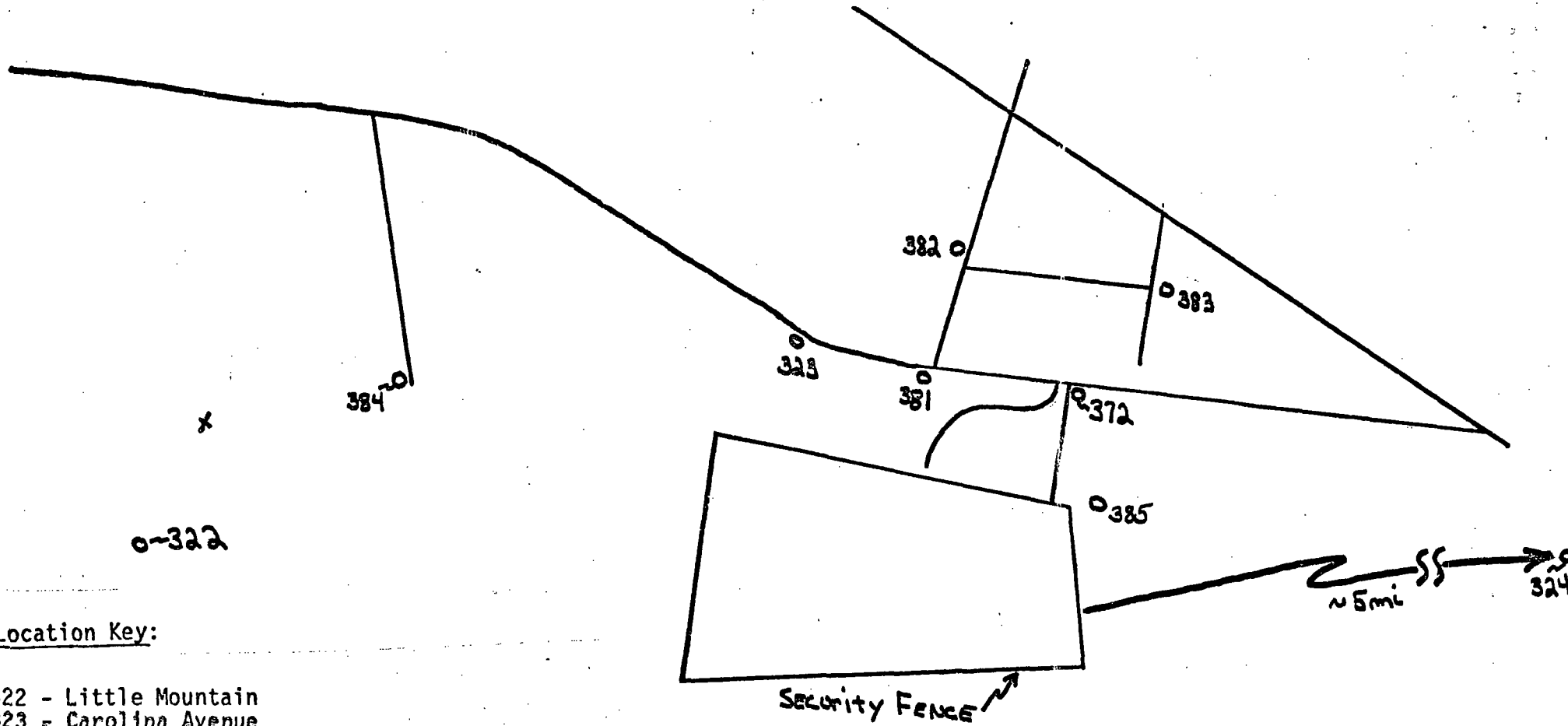
GROSS ALPHA ANALYSIS

Units: $\mu\text{Ci}/\text{ml} \times 10^{-14}$

| <u>Week Ending</u> | <u>322</u> | <u>323</u> | <u>324</u> | <u>372</u> | <u>381</u> | <u>382</u> | <u>383</u> | <u>384</u> | <u>385</u> |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 7/6/81 | 1.6 | 0.1 | 1.0 | 1.2 | 0.5 | 0.5 | 1.2 | 0.7 | 0.7 |
| 7/13/81 | 1.2 | 0.6 | 1.4 | 1.3 | 0.4 | 0.7 | 1.0 | 0.6 | 0.8 |
| 7/20/81* | 0.8 | 0.7 | 1.1 | 0.6 | 0.8 | 0.6 | 0.5 | 0.3 | 0.3 |
| 7/27/81* | 0.7 | 0.6 | 0.3 | 0.6 | 0.8 | 0.3 | 0.8 | 0.4 | 0.4 |
| 8/3/81* | 0.7 | 2.0 | 2.0 | 1.1 | 1.0 | 0.7 | 1.1 | 0.7 | 0.8 |
| <hr/> | | | | | | | | | |
| 8/10/81* | 1.0 | 0.5 | 1.1 | 1.2 | 1.1 | 0.2 | 0.8 | 0.6 | 0.3 |
| 8/17/81* | 1.0 | 0.4 | 0.6 | 0.8 | 1.0 | 0.3 | 0.8 | 0.9 | 0.5 |
| 8/24/81* | 1.2 | 0.8 | 0.3 | 0.8 | 1.0 | 0.6 | 0.9 | 1.5 | 0.7 |
| 8/31/81* | 0.9 | 0.5 | 0.2 | 0.3 | 0.3 | 0.2 | 0.4 | 0.2 | 0.4 |
| <hr/> | | | | | | | | | |
| 9/7/81* | 0.5 | 0.2 | 0 | 0.1 | 0.3 | 0.03 | 0 | 0 | 0.03 |
| 9/14/81* | 0.1 | 0 | 0 | 0.5 | 0.1 | 0.2 | 0.2 | 0 | 0.3 |
| 9/21/81* | 0.3 | 0.4 | 0 | 0.7 | 0.7 | 0.3 | 0.4 | 0.03 | 0.4 |
| 9/28/81* | 0.3 | 0.3 | 0.01 | 0.2 | 1.5 | 0.4 | 0.3 | 0.04 | 0.2 |

Location Key: 322 - Little Mountain
 323 - Carolina Avenue
 324 - Asheville Highway
 372 - Carolina Avenue/Parking Lot Entrance (B)
 381 - Carolina Avenue/Stalling Avenue (C)
 382 - Stalling Lane SE (F)
 383 - Highland Avenue/1st Street (E)
 384 - Meadowbrook Lane NE (D)
 385 - Security Fence SE (A)

*Counting time was increased from 30 minutes to 180 min./sample.



Location Key:

- 322 - Little Mountain
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- 381 - Carolina Avenue/Stalling Avenue (C)
- 382 - Stalling Lane SE (F)
- 383 - Highland Avenue/1st Street (E)
- 384 - Meadowbrook Lane NE (D)
- 385 - Security Fence SE (A)

SCALE 250m

NFS-ERWIN Off-Site
Air Sampling STATIONS

1000
CT