

**Nuclear Fuel Services, Inc.** ERWIN, TENNESSEE 37650

70-143

PDR

(615) 743-9141

SEP 22 AM 10

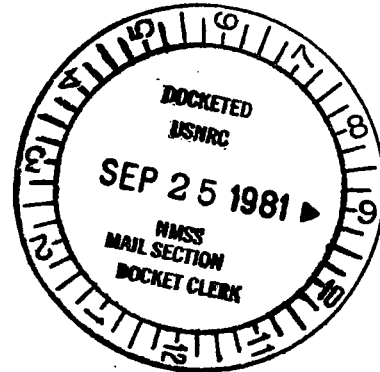
Return  
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396-55

September 15, 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

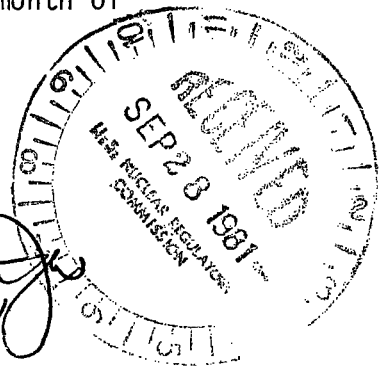


Gentlemen:

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

Yours very truly,

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



WCM:jp

Attachments

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

report

29674

ENVIRONMENTAL AIR SAMPLE DATA

GROSS ALPHA ANALYSIS

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

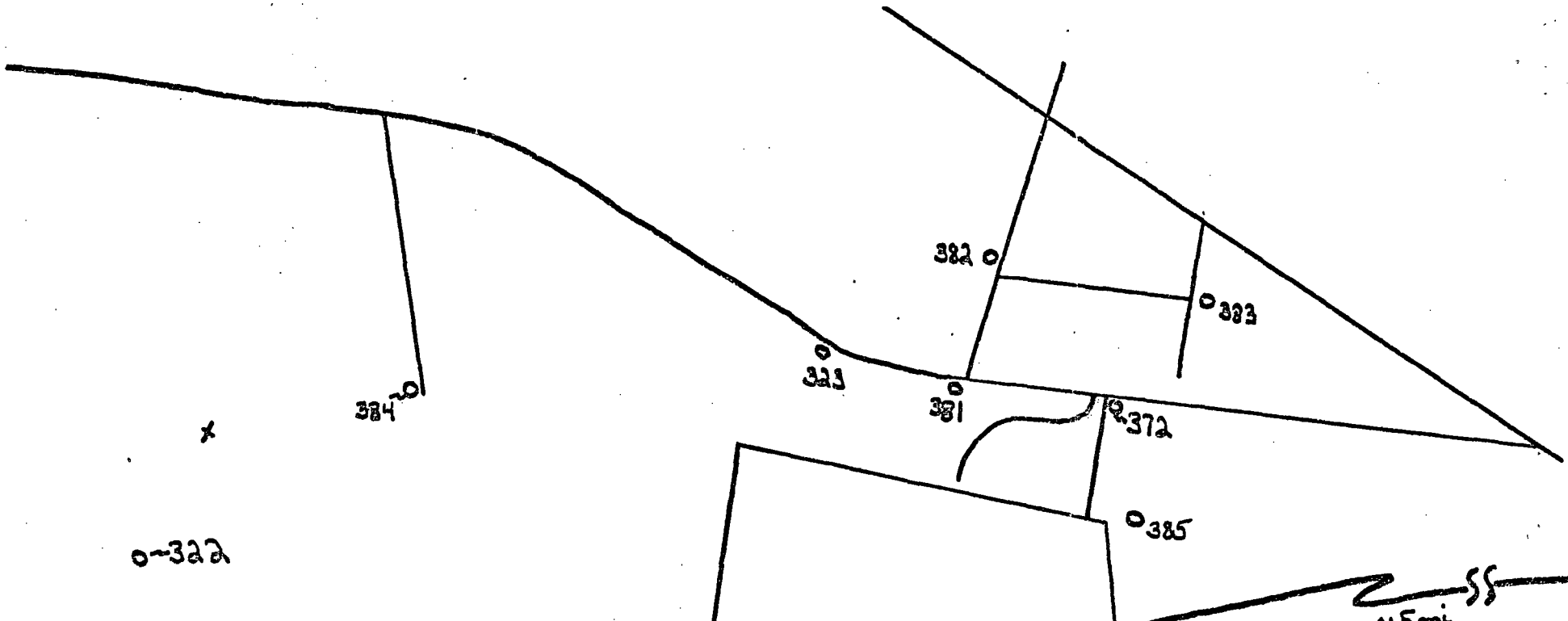
<u>Week Ending</u>	<u>322</u>	<u>323</u>	<u>324</u>	<u>372</u>	<u>381</u>	<u>382</u>	<u>383</u>	<u>384</u>	<u>385</u>
6/8/81	0.1	0.4	0.8	0.6	1.5	0.9	0.0	0.0	1.3
6/15/81	1.3	0.8	1.2	1.1	0.9	1.2	1.3	0.7	0.1
6/22/81	5.2	1.1	0.5	0.9	0.6	0.7	0.9	5.4	0.3
6/29/81	1.2	0.3	1.8	1.5	0.8	0.5	1.4	0.9	0.8
<hr/>									
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	0.3	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

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.

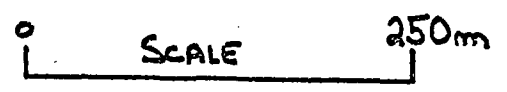
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1981

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PDR



Location Key:

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



NFS-ERWIN Off-Site  
Air Sampling STATIONS