

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

70-143  
PDR

(615) 743-9141

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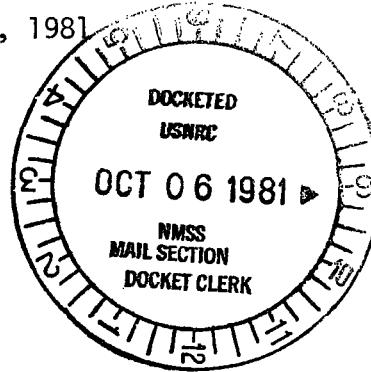
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September 29, 1981

U. S. Nuclear Regulatory Commission  
Uranium Fuel Licensing Branch  
Washington, D. C. 20555

Attention: Mr. R. G. Page, Chief

Reference: Docket No. 70-143; SNM-124



Gentlemen:

In accordance with Condition No. 46, SNM License No. 124, we hereby advise you that sampling for total fluoride in the scrubber stacks from Buildings 302,303 and 233 has been completed for establishment of an annual source term. Sampling results, summarized quarterly, during periods of UF<sub>6</sub> processing in Building 302/303 are attached for your review. Since they show compliance with the Tennessee ambient air quality standards, we are discontinuing the requirements of Condition No. 46.

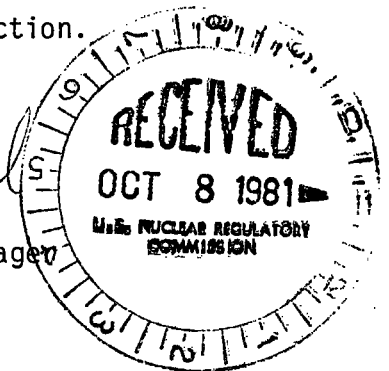
The Building 233 stack has not been sampled since no fluorides have been used in, or introduced into, the process. If a change in this process occurs, which might release fluorides to the environment, sampling will be performed in accordance with Condition No. 46.

Several vegetation specimens have been collected for fluoride analysis in major directions from the plant where maximum concentrations were expected. The results of these analyses will be available during subsequent I & E Inspections.

Please call us if you have any questions regarding this action.

Very truly yours,

*C. J. Michel*  
C. J. Michel  
Administrative Manager



CJM/pts

Attachment

FEE EXEMPT

*info only*

1981

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ATTACHMENT  
SUMMARY OF TOTAL FLUORIDE MONITORING

NUCLEAR FUEL SERVICES, INC.

ERWIN, TENNESSEE

<u>Sampling Period</u>	<u>Average Stack Concentration (<math>\mu\text{g}/\text{l}</math>)</u>	<u>Maximum Avg. Off-Site Concentration (<math>\mu\text{g}/\text{m}^3</math>)</u>	<u>Direction of Maximum Air Concentration</u>	<u>Percent of Tenn. Amb. Air Qual. Std.</u>
3rd Qtr., 1979	2.4	0.9	South Southeast	75%
4th Qtr., 1979	No Fluoride Producing Operations Conducted			-
1st Qtr., 1980	No Fluoride Producing Operations Conducted			-
2nd Qtr., 1980	1.2	0.3	South Southeast	25%
3rd Qtr., 1980	No measurements performed due to equipment failure			-
4th Qtr., 1980	0.9	0.3	South Southeast	25%
1st Qtr., 1981	0.6*	0.14	East Southeast	12%
2nd Qtr., 1981	0.7	0.15	South Southeast	13%

\* Confirmed by independent measurement and analysis (Scientific Applications, Inc.) at 0.08  $\mu\text{g}/\text{l}$ .

10/1/81  
 J. J. ...  
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