

January 17, 1972

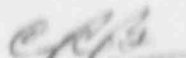
Note to Files

Mr. W. J. Shelley, Kerr-McGee Corporation, Oklahoma City, Oklahoma, called and gave me the following data on vegetation sampling for fluorides. We had requested in a phone call to him on January 13, 1972, that Kerr-McGee send us more data on fluorides analyses in grass samples taken from areas around the plant. (See phone call write-up of January 13, 1972.)

Results are based on two aliquots from each sample of grass reported in micrograms per gram dry weight.

<u>West from Plant</u>	<u>ppm or ugm/gm</u>
Sampling Station	14.3
1000 ft. west of Station	4.0
<u>North from Plant</u>	
Sampling Station	5.4
1000 ft. north of Station	8.3
<u>South from Plant</u>	
Sampling Station	5.5
1000 ft. south of Station	4.4
2000 ft. south of Station (at site boundary)	8.7
<u>East from Plant</u>	
Sampling Station	8.8
1000 ft. east of Station	10.3
2000 ft. east of Station	83.7
3000 ft. east of Station	18.9

Mr. Shelley also stated that their process generates about 15 lbs/hour NO from the nitrogen oxide absorber in 800 lbs. of steam. The mixture is released to the plant boiler stack which runs a temperature of 500° and the NO is oxidized to NO<sub>2</sub>. This makes them discharge about 24 lbs/hour of NO<sub>2</sub> from the stack.



Cecil R. Buchanan

8512180238 720117  
PDR ADOCK 04008027  
C PDR

January 17, 1972

Note to Files

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Results are based on two aliquots from each sample of grass reported in micrograms per gram dry weight.

<u>West from Plant</u>	<u>ppm or ugm/gm</u>
Sampling Station	14.3
1000 ft. west of Station	4.0
<u>North from Plant</u>	
Sampling Station	5.4
1000 ft. north of Station	8.3
<u>South from Plant</u>	
Sampling Station	5.5
1000 ft. south of Station	4.4
2000 ft. south of Station (at site boundary)	8.7
<u>East from Plant</u>	
Sampling Station	8.8
1000 ft. east of Station	10.3
2000 ft. east of Station	83.7
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OFFICE ▶	DML:MB				
SURNAME ▶	<i>Buchanan</i> CRB/Buchanan/dmb		Cecil R. Buchanan		
DATE ▶	1/18/72				

JAN 24 1972

Note to Files

KERR-MCGEE CORPORATION SEQUOYAH FACILITY VEGETATION ANALYSES FOR FLUORIDES

Mr. A. M. Valentine, Kerr-McGee Corporation, Oklahoma City, Oklahoma called, in Mr. Shelley's absence, to give the results on the second batch of vegetation samples analyzed for fluoride content. He confirmed that the samples were taken in the same location as the first set of samples reported (see Note to Files dated January 17, 1972). U. S. Testing Company, Richland, Washington, performed the analysis on this last batch of samples and Controls for Environment Protection, Inc., Albuquerque, New Mexico, analyzed the first batch. Results are based on two aliquots from each sample of grass and reported in micrograms per gram dry weight (ppm).

<u>West from Plant</u>	<u>No. 2 Samples (U. S. Testing Company) ppm or ug/gm</u>
Sampling Station	19.8
1000 ft. west of Station	10.5
 <u>North from Plant</u>	
Sampling Station	< 1.0
1000 ft. north of Station	8.1
 <u>South from Plant</u>	
Sampling Station	4.2
1000 ft. south of Station	6.6
2000 ft. south of Station (at site boundary)	12.9

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OFFICE ▶						
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East of Plant

Sampling Station	11.1
1000 ft. east of Station	9.0
2000 ft. east of Station	< 1.0
3000 ft. east of Station	14.9

Although Mr. Shelley will be out this week, Mr. Valentine said that he would get a letter cut to us confirming the data today.

Original by

Cecil R. Buchanan

Cecil R. Buchanan

Assistant Chief

Materials Branch

Division of Materials Licensing

OFFICE ▶

DML:MB

SURNAME ▶

*C. Buchanan*  
CRBuchanan:clh

DATE ▶

1/25/72