



# KERR-MCGEE CORPORATION

KERR MCGEE BUILDING • OKLAHOMA CITY, OKLAHOMA 73102

February 5, 1971

Mr. Lawrence D. Low  
Director, Division of Compliance  
United States Atomic Energy Commission  
Washington, D. C. 20545

Dear Mr. Low:

This is in reply to your letter of January 11, which referred to the compliance inspection conducted at the Sequoyah Facility on October 21, 22 and 23, 1970 of activities authorized under AEC Source Material License No. SUB-1010.

Corrective actions and the results achieved are reported on the items in your letter. Full compliance is achieved for all of the licensed activities.

- Item 1. Samples have been taken since plant startup of the hydrofluoric acid leaving the facility by truck to commercial firms. These samples have been analyzed and found to contain less than the concentration of radioactivity for U-natural as specified in the AEC Standards for Radiation Protection of Title 10, Part 20, Appendix B, Table II. A procedure change now requires the samples of these shipments to be analyzed prior to shipment.
- Item 2. Diffusion calculations have been made according to the methods described in the U. S. Public Health Service publication No. 999-AP-26, entitled, "Workbook of Atmospheric Dispersion Estimates". The results of these calculations are to be routinely used in determining sampling locations for the environmental surveys. An initial fixed air sampling station, located approximately 500 yards north of the facility, was placed into service on January 19 as part of the continuing environmental surveillance program.


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- Item A. Analyses of the environmental water samples collected from May through October, 1970 have been completed since December 17, 1970. This program has now been improved and implemented to assure timely analysis and evaluation of results on a routine basis.
- Item B. As you suggested, we have re-evaluated our contamination control practices, and certain measures have been incorporated into the program to assure a more effective contamination control in the processing areas. Specifically, the control program has been strengthened by improved routine surveys of uranium spills and follow-up with more timely clean-up actions; requiring detailed reports by operations supervision on contamination incidents; more selectively periodic sampling in potential incident areas of the plant; and modification of the Hazardous Work Permit system to assure health physics coverage for maintenance activities.

Please let me hear if you have any further questions on the above matters.

Yours very truly,



Frank K. Pittman  
Director, Technical Services  
Nuclear Division

FKP:rc