

Docket 40-8027

JUL 14 1975

Kerr-McGee Nuclear Corporation
ATTN: Mr. W. J. Shelley, Director
Regulation and Control
Kerr-McGee Center
Oklahoma City, Oklahoma 73125

Gentlemen:

We have reviewed the environmental information submitted on June 27, 1975 relating to the operation of your UF₆ plant at its expanded capacity. In order for us to continue our review, the following additional information should be submitted:

1. A comparison of the discharge rates and concentrations of each major radiological and non-radiological contaminant in the plant air and water effluents before and after the proposed expansion.
2. Calculations of the estimated maximum and annual average air concentrations of these radiological and non-radiological contaminants at the most restrictive site boundary* and at the offsite location where the maximum concentration occurs.
3. Estimation of the annual radiological doses to an individual at the most restrictive site boundary and at the offsite location where the maximum concentration occurs.
4. Estimation of water concentration values of radiological and non-radiological contaminants at or near the point of discharge and at a location where complete mixing has occurred.
5. Comparison of the concentrations of non-radiological contaminants with applicable federal or state standards.
6. A description of all proposed new air and water pollution control devices. Provide information on the efficiency of each system and methods that will be used to determine that systems are operating properly.
7. Specify the quantity and composition of raffinate waste that will be discharged from the plant at the expanded level. In addition,

* the downwind plant site boundary with the most frequent wind direction

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Mr. W. J. Shelley

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analyze the effect of the additional raffinate waste on the overall raffinate disposal problem.

8. Specify the authorities that have been contacted concerning your expansion activities and briefly describe the status of necessary licenses and permits that will be required.

In addition to supplying this information, it is requested that you also provide the bases and methods used in developing the information or data, i.e., the rationale, calculations, numerical values of constants, and justification for assumptions used.

Upon your submittal of the above information, we will proceed with our review. If you have any questions concerning the above, please contact E. D. Flack at telephone number 301-492-7631.

Sincerely,

Original signed by R. B. Chitwood

~~Original signed by W. E. Thompson~~

Richard B. Chitwood, Chief
Fuel Cycle Environmental
Projects Branch
Division of Materials and
Fuel Cycle Facility Licensing

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