

OCT 01 1991

Docket No. 70-00036

Combustion Engineering, Inc  
ATTN: Mr. James A. Rode  
Plant Manager  
Post Office Box 107, Highway P  
Hematite, Missouri 63047

Dear Mr. Rode:

This refers to the special fuel facility air sampling project to be conducted by Mr. William Radcliffe of this office and NRC contractors from the Office of Research, and the related September 20, 1991 meeting at your facility.

The project is being undertaken in response to the new 10 CFR Part 20 derived air concentration (DAC) changes which could greatly affect facilities dealing with insoluble uranium oxides. Pursuant to the new regulations, DACs and annual limit of intakes can be adjusted to compensate for non-respirable fractions. To conduct this project, we will be using one high volume multi-staged cascade impactor; two 1apel multi-stage cascade impactors; and four 1apel respirable-dust cyclone separators. An NRC contractor will participate in this project and conduct training on the use of the equipment. Your staff is encouraged to attend this training and provide recommendations on sample locations and equipment use. We are planning to begin in October of this year.

The samples gathered with the above equipment will be correlated with your air sample and bioassay data. After particle size distribution and solubility classifications are made, a more precise quantification of the internal dose can be determined. We will be requesting your review and comments of our findings along with associated data, materials and methodology, and we encourage your early input and assistance during the project.

9110150014 911001  
PDR ADOCK 07000036  
C PDR

1/0  
IE-07

OCT 01 1991

We would like to take this opportunity to thank your staff, especially Mr. Hal Eskridge and Mr. Boyer, for the time taken during our site visit to familiarize us with the plant and the personal monitoring program.

Sincerely,

William L. Axelson, Deputy Director  
Division of Radiation Safety and  
Safeguards

- cc: Jeremiah W. (Jay) Nixon,  
Missouri State Senator  
Nuclear Fuel Manufacturing
- Dr. Richard S. Siudek, Vice President,  
Nuclear Fuel Manufacturing
- Mr. A. E. Scherer, Vice President,  
Nuclear Quality
- Mr. C. B. Brinkman, Manager  
Washington Nuclear Operations  
DCD/DCB (RIDS)
- Mr. J. F. Conant, Manager, Nuclear  
Materials Licensing
- Mr. H. E. Eskridge, Manager, Nuclear  
Licensing, Safety and Accountability
- George H. Bidinger, NMSS/IMSB

- bcc: C. E. Norelius, RIII
- C. J. Paperiello, RIII

*via telephone  
on 9/30/91*

R.III  
*Radcliffe*

R.III  
*Axelson/mm*

RES  
*S. McGuire*

NMSS  
*Haughney*