

Specialty Chemicals Division

Nuclear Activities

P.O. Box 8005R

Morristown, New Jersey 07960

August 31, 1979

Mr. W. T. Crow
Section Leader
Uranium Process Licensing Section
Uranium Fuel Licensing Branch
Nuclear Regulatory Commission
Washington, D.C. 20555



Dear Mr. Crow,

We appreciated the recent visit by your people to Metropolis Works to firm up the ongoing program to demonstrate compliance of our Metropolis operations with 40 CFR 190.

Drs. Kalkwarf and Shum and Messrs Decker, Riley, Thomas, Yates and myself, met at Metropolis on August 29 and discussed what will be done in the way of obtaining samples and analyzing them. Dr. Kalkwarf will arrange to have delivered to Metropolis four of his 40 cfm samplers. These will be put in operation at Metropolis by Dr. Kalkwarf's technician who will then attend them and obtain enough material for two solubility tests. They will be installed at our environmental sample point No. 11 which is in the annual prevailing wind direction downstream from the plant. During the course of the sample collection, small portions will be analyzed at Metropolis by the fluorimetric method to determine when enough sample has been collected for the solubility tests.

The gross sample will be mixed and split into two parts for duplicate solubility testing at Metropolis and at Battelle. There will be frequent communication between the three parties - Battelle, Metropolis and NRC - during tests to make sure that samples are taken at appropriate intervals and that the tests are not concluded prematurely but that enough information has been obtained to conclusively demonstrate the solubility class (es) of the collected material.

As a precaution, after the initial sample is obtained, the sampling equipment will be left at Metropolis sufficiently long to obtain additional sample which could then be used in the event there is a significant disagreement between the results of the Battelle and the Metropolis solubility tests.

At an early date Battelle will forward to Metropolis a sample of dissolved uranium of a concentration similar to that which will be analyzed during the course of the solubility test for comparison of analytical procedures between the two laboratories.

FEE EXEMPT

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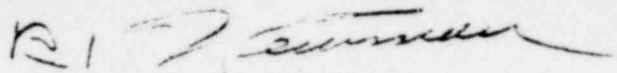
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If the above differs from your understanding of how we are proceeding, please advise me very promptly.

Sincerely,



R. I. Newman, Director
Nuclear Regulatory and
Governmental Affairs

RIN:cm

cc: A. D. Riley
J. Thomas
R. Yates
R. Becker

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