UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

OCT 15 1991

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Docket No. 70-0036

Combustion Engineering, Inc.
ATTN: James A. Rode
Plant Manager
P.O. Box 107, Highway P
Hematite, MO 63047

Dear Mr. Rode:

Attached is a tentative schedule for the data collection portion of the NRC aerosol classification project, and a complete equipment list, current as of the above date. Two items on the agenda already scheduled are Mr. Radcliffe's visit to Combustion Engineering on October 22, and the "team" visit the week of October 28. The length of data collection will depend on the variability of measurements and can not be determined as of this date. As discussed with Mr. Hal Eskridge of your staff, two NRC consultants will assist us during the week of October 28 with this project. They are Ms. Eva Hickey of Pacific Northwest Laboratories and Mr. Claude Wiblin of Advanced Systems Technology, Inc.

I would like to take this opportunity to thank you for your time and support of this project. The data gathered should be useful to the NRC and its licensees relevant to implementation of the new 10 CFR Part 20.

Sincerely,

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

Attachment: Project Schedule
Equipment List

See Attached Distribution

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Distribution

cc w/attachment:
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
E. W. Criddle, CE
George H. Bidinger, NMSS/IMSB
C. J. Paperiello, RIII
C. E. Norelius, RIII
D. Cool, RES
S. McGuire, RES
C. Haughney, NMSS
J. Grobe, RIII
D. Srenawksi, RIII
G. France, RIII
C. Wiblin, AST
E. Hickey, PNL
Dr. A. McFarland, Texas A&M

Fuel Facility Aerosol Classification Project

Tentative Agenda

The Week of October 21

10/22 : Mr. William Radcliffe, of Region III, to arrive on-site at 7:00 a.m to meet with Mr. Enos Criddle, Combustion Engineering HP supervisor, for site training and to discuss project objectives and procedures.

10/22-24 : Review plant exposure records and work schedules, identify "special" work activities in higher exposure environments, schedule employees to wear personal dust separators or the mini-impactor, interview employees to determine time spent in specific plant areas, determine release points, and conduct air flow studies.

The Week of October 28

10/28 : 6:30 p.m. - Meet with Ms. Eva Hickey, of PNL, and Mr. Claude Wiblin, of AST, inc., in Festus, Mo. to discuss collection scheme and equipment, and to coordinate next few days' activities.

10/29 : 8:00 a.m. - Ms. Hickey, Mr. Wiblin, and Mr. Radcliffe arrive at plant for site tour to familiarize team with areas of study and their related problems.

1:00 p.m. - Discussion and demonstration of equipment with interested parties. Practice setting up equipment and taking measurements. Examine counting system. Refine collection scheme as necessary.

10/30 : 7:00 a.m. - Ms. Hickey, Mr. Wiblin and Mr. Radcliffe begin data collection for project, work out system bugs, cross-check equipment.

9:00 a.m. - Collect data on air sampling program, ensure tracking of personnel samplers, prepare counting system for efficient reading of samples.

1:00 p.m. - Meet with plant management to discuss project.

2:30 p.m. - Begin removing collection media and start counting.

10/31 : Data collection from 7:00 a.m. to 2:30 p.m. Review previous day's data, plant data and records as time allows. Finalize arrangements for next visit.

Equipment Available for Collections

High Volume (≥ 1 CFM) Area Collectors

1 Andersen 8-stage cascade impactor (Provided by Advanced Systems Technology, Inc.)
1 Ares 7-stage cascade impactor (Provided by Pacific Northwest Laboratories)
2 Modified Andersen cascade impactors (Provided by Texas A&M)

Low Volume (≤ 2 liters per min.) Personal Collectors

2 MSA respirable dust separators (cyclones) (Provided by Nuclear Regulatory Commission)
4 MSA respirable dust separators (cyclones) (Provided by AST, Inc.)
1 Andersen Marple 6-stage cascade impactor (Provided by AST, Inc.)

Miscellaneous

2 Liquid scintillation counter standards (Prepared by Combustion Engineering)
? Mylar collection media for Andersen cascade impactors (Provided by AST)
? Cellulose ester membrane filters for cyclones (Provided by NRC and AST)
? Glass slides for Ares cascade impactor (Provided by PNL)
4 High volume pumps (Provided by NRC)
7 Low volume pumps (Provided by CE and AST)