



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

August 6, 1979

Mr. Melvin First
School of Public Health
Harvard University
665 Huntington Avenue
Boston, Massachusetts 02115

Dear Mel:

On July 24, 1979, I received your letter with the tentative agenda for the In-Place Filter Testing Workshop which will be held August 27-31, 1979. I note from the agenda that I am scheduled to lecture on Wednesday, August 29, 1979 from 1:00 to 2:30 PM on regulatory requirements for air cleaning systems in nuclear facilities. As you know I have been at Three Mile Island continuously since March 30, and will be here for the foreseeable future. Because of the necessity to be here at all times I will not be able to make this year's workshop. If it meets with your approval, I would like Dr. William Travers of my staff to present the lecture previously given by me. Dr. Travers is scheduled to attend the workshop as a student and is prepared to discuss the subject material.

Once again, -I apologize for the short notice but I had really hoped to make this year's workshop.

Sincerely,

A handwritten signature in cursive script that reads "John T. Collins".

John T. Collins, Deputy Director
TMI-2 Support Staff
Office of Nuclear Reactor
Regulation

cc: W. Travers

HARVARD UNIVERSITY
SCHOOL OF PUBLIC HEALTH

KRESGE CENTER FOR ENVIRONMENTAL HEALTH
DEPARTMENT OF ENVIRONMENTAL HEALTH SCIENCES

665 Huntington Avenue
Boston, Massachusetts 02115
617-732-1171

July 24, 1979

TO: Speakers in the In-Place Filter Testing Workshop
August 27-31, 1979

FROM: Susan Miller, Short Course Coordinator

RE: Agenda

Enclosed is a tentative agenda for the In-Place Filter Testing Workshop which will be held August 27-31. Please check the day and time you are scheduled to speak. If there is any problem with this agenda as it appears, please advise me at once.

The class will meet in Room G-2 of the Kresge Building at 677 Huntington Avenue, Boston. If you will report, upon arrival, to the security guard at the entrance, he will provide you with an identification badge and can direct you to the room.

Due to combining the June and August sessions, there will be 40 participants in the Workshop; and two sections of the laboratories will be given again this year. As usual, mornings will be devoted to classroom lectures, which will be given only once.

We would very much appreciate it if you would forward any material you would like reproduced for distribution to the class as soon as possible. If you need a parking space or special audio-visual equipment, please let us know (the classroom has an overhead projector for transparencies, a slide projector, and a movie projector).

We look forward to seeing you during the week of August 27th. Please do not hesitate to call if we can be of assistance to you.

In Place Filter Testing Workshop

August 27 - 31, 1979

Harvard School of Public Health
677 Huntington Avenue
Boston, Massachusetts 02115
Kresge Room G-2

<u>TIME</u>	<u>TOPIC</u>	<u>SPEAKER</u>
<u>MONDAY, 27 AUGUST</u>		
8:30 - 8:45	Welcome and introduction to course	M. First
8:45 - 9:30	Properties of aerosols	M. First
9:30 - 10:15	High efficiency filter; film	H. Gilbert
10:15 - 10:30	Break	
10:30 - 12:00	DOP generators and light scattering photometers	W. Anderson
12:00 - 1:00	Lunch (Dining Room 101B)	
1:00 - 2:00	Calibration, adjustment, and maintenance of light scattering photometers	D. Crosby S. Steirberg
2:00 - 2:15	Discussion of experiments	M. First
2:15 - 3:30 (Group I)	Laboratory: Aerosol generation and photometric measurements Effects of generator pressure on aerosol characteristics Linearity of photometer output signals	W. Anderson C. Burchsted H. Gilbert M. First D. Leith
3:30 - 4:00 (Groups I & II)	Demonstrations: Thermal polydispersed DOP generator Caisson filter changing	J. Price
4:00 - 5:15 (Group II)	Laboratory (as above)	
<u>TUESDAY, 28 AUGUST</u>		
8:30 - 9:30	Air filtration theory	W. Anderson
9:30 - 10:30	System design: good practice standards, provisions for in-place testing	C. Burchsted
10:30 - 10:45	Break	
10:45 - 11:30	System design (continued)	C. Burchsted
11:30 - 12:00	In-place filter testing experiences	W. Anderson
12:00 - 1:00	Lunch (Dining Room 101B)	
1:00 - 2:15	Discussion of experiments	M. First
1:15 - 3:30 (Group I)	Laboratory: Filter testing	W. Anderson C. Burchsted M. First
3:30 - 4:00 (Groups I & II)	Demonstrations: Q127 hot DOP generator High temperature testing with NaCl aerosol PMS Laser particle counting and sizing	W. Hinds D. Leith
4:00 - 6:15 (Group II)	Laboratory: (as above)	

WEDNESDAY, 29 AUGUST

8:00 - 9:45	Air flow and pressure measurements; air leaks	W. Burgess
9:45 - 10:00	Break	
10:00 - 12:00 (Group I)	Laboratory: Air flow and pressure measurements, calibrations	W. Burgess M. First J. Price
12:00 - 1:00	Lunch (Dining Room 101B)	
1:00 - 2:30	Regulatory requirements for air cleaning systems in nuclear facilities	J. Collins
2:30 - 3:15	Performance of air cleaning systems in nuclear facilities	D. Moeller
3:15 - 3:30	Break	
3:30 - 5:30 (Group II)	Laboratory: as above	

THURSDAY, 30 AUGUST

8:30 - 9:30	Gas adsorbers; adsorption of radioiodine	L. Kovach
9:30 - 10:30	Adsorption of radioactive noble gases	D. Underhill
10:30 - 10:45	Break	
10:45 - 12:00	In-place testing methods for adsorbers	F. Viles
12:00 - 1:00	Lunch (Dining Room 101B)	
1:00 - 1:30	Discussion of experiments	F. Viles
1:30 - 4:00 (Group I)	Laboratory: In-place testing of adsorbers	D. Leith F. Viles J. Price
	Field experiences: In-place testing of adsorbers	L. Kovach R. Bellamy
2:45 - 4:00 (Group II)	Field experiences: (as above)	
4:00 - 5:15	Laboratory: as above	

FRIDAY, 31 AUGUST

8:30 - 9:15	Particle size measurement with the microscope	W. Hinds
9:15 - 10:00	Non-microscopic particle size measurement methods	C. Billings
10:00 - 10:15	Break	
10:15 - 11:00	Duct and stack sampling	C. Billings
11:00 - 12:00	Particle size statistics	W. Hinds
12:00 - 12:45 (Group II)	Lunch (Dining Room 101B)	
12:00 - 12:45 (Group I)	Demonstration: Particle measuring instruments	W. Hinds D. Leith K. Martin
12:45 - 1:30 (Group I)	Lunch (Dining Room 101B)	
12:45 - 1:30 (Group II)	Demonstration: (as above)	
1:30 -	General discussion and course critique	M. First