

To: Dr. R. A. Kehoe
From: J. Cholak
Subject: Meeting in San Francisco on June 18, to discuss progress of air sampling program in connection with Cal. Research study of the use of X-105A.

Attendants:

Same as those attending meeting on May 21, plus the following:

J. L. Cooley	Cal. Research
H. Porter	Cal. Research
J. Spence	Cal. Research
J. Sabina	DuPont
L. A. Gerlach, M.D.	DuPont

The meeting was concerned with a discussion of the progress of the environmental studies completed through June 15. During this period Phases I and II had been completed and Phase III had been in progress for 12 days. The environmental findings to date were reviewed and summarized. The data to date showed the following relationships.

	<u>Phase I</u>	<u>Phase II</u>	<u>Phase III</u>
Mg. Pb/M ³ at islands	34 (36 samples collected)	45 (64 samples collected)	100.7 (19 samples collected)
Mg. Pb/M ³ - entire area		37 (86 samples collected)	88.6 (62 samples collected)
Average ventilation-fpm	90	83	40-50
Average T-°F	60	61.5	61.6
CO-ppm	11	10.4	16.0

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The particulate lead picture was also reviewed and it was shown that in Phases I and II, the particulate matter was 20-21% of the total lead present. The few samples thus far available for Phase III indicated that the particulate matter was about 15% of the total. This was higher than expected and was thought to be due to the poor ventilation during Phase III operation as compared with the good rates of ventilation which were encountered for the Phase I and Phase II periods.

The average concentrations of particulate matter in the air, as determined from the tapes of the A.I.S.I. smoke sampler, were found to be 5.2 and 6.1 micrograms/ M^3 for Phase I and Phase II operations respectively. Phase III tapes had not been analyzed by the time of this meeting.

There then followed a discussion on the biological samples and the reasons for sending them to Cincinnati. Cal. Research people felt that there was too long a lag in receipt of reports and, after considerable discussion and a conference with Dr. Kehoe by telephone, it was agreed that:

1. Biological specimens from Phase III work be pushed ahead so that "last in" samples are analyzed first. These samples will be shipped by air-mail in the future.
2. Sufficient samples from Phase II be included so that a continuous and orderly record of results can be obtained.
3. Additional urine samples will be collected and shipped to the DuPont laboratory at Antioch for analysis. These results will be examined to observe immediate trends more rapidly and will be made available to Dr. Kehoe for inclusion in his report if he so desires.
4. The biological testing program will be continued for six weeks, three longer than originally planned.
5. Air sampling will be continued in as complete a manner as possible during the entire period of six weeks.

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