

To: Dr. R. A. Kehoe
From: J. Cholak
Subject: Visit, May 21, to San Francisco in connection with X-105A study for So. Cal.

- A. In a morning discussion on May 21 with Mr. John Koehnle and Mr. W. Hancock, Ethyl Corporation, the sampling program was reviewed. It was learned that all of the Yellow Cab samples were collected at the fueling island, and therefore, the results represent variations at the station where maximum exposure to vapors of TEL and X-105A would occur. It was agreed that during the remainder of the sampling program, some attempt should be made to sample other areas of the garage simultaneously with the fueling island station. Since this would require a two-man team, Mr. Huxtable has agreed to supply additional help for 3 or 4 days of each of the weeks remaining in the test period.

Mr. Hancock has done a remarkably thorough job and is to be complimented on his work thus far. The additional help will permit the collection of more data and will provide better coverage of the four areas involved in the study.

B. Meeting with representatives of So. Cal.

Attendants:

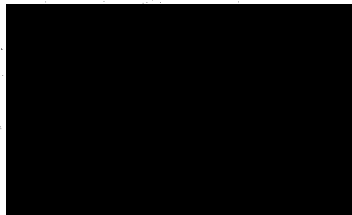
Mr. J. R. MacGregor	Manager, Motor Fuels Research	So. Cal.
Dr. L. E. Curtis	Medical Director	So. Cal.
Mr. F. Christianson	Asst. to Mr. MacGregor	So. Cal.
Dr. M. Baruch	Research Supervisor	So. Cal.
Dr. W. Richardson	Coordinator of Project	So. Cal.
Mr. H. Sigworth		So. Cal.
Mr. S. Judd	Industrial Hygiene Engineer	So. Cal.
Mr. J. Evans	District Manager	DuPont
Mr. E. Keen	Safety Engineer	DuPont
Mr. J. F. Koehnle	District Manager	Ethyl
Mr. W. Hancock	District Office	Ethyl
Mr. J. Cholak		Kettering

It was learned that So. Cal. was enthusiastic about the use of X-105A and is anxious to proceed as rapidly as possible so that they could begin the marketing of the fuel in the near future. Rumor has it that they had been encouraged by favorable reports on the toxicity of X-105A from DuPont's Haskell Laboratories where some animal toxicity studies had been conducted. So. Cal. was concerned about the lack of information concerning the progress of the project. It was pointed out that since an interpretation of the findings was desired, the reporting of scraps of isolated findings would hardly lend itself to useful interpretation. It was also pointed out that there was a considerable time lag in the analysis of certain materials because of shipping requirements and the necessity of fitting samples into the regular Laboratory work schedule.

The group was assured that the work was proceeding as rapidly as possible and that considerable data had already been collected. It was pointed out that definite conclusions could not be drawn at this time, but certain trends could be discerned. The environmental data, therefore, was presented and discussed. The group appears very satisfied with this type of reporting and did not press for a written report. It was suggested that a report would be forthcoming following the completion of each phase and this suggestion seemed satisfy everyone present.

It was also suggested that another meeting to discuss the progress of the work to date be arranged while Phase 3 study was underway. Accordingly, it was suggested and accepted that June 18 or 19 would be suitable for this purpose. By this time, Phase 1 will be completed and some information will be available for the operation during the first week of the Phase 3 investigation. It was my feeling that the So. Cal. people were satisfied that we were moving along without delay and that they were now up to date on the progress of the work. No request was made for copies of our data and no offer was made to supply the detailed data.

During the meeting, there was some discussion of the chemical methods for analyzing biological specimens, but finally everyone was convinced that the precision method rather than the screening method should be employed for this type of analysis. It was pointed out that a small group of Yellow Cab employees was most exposed and the suggestion was made to give priority to samples from these individuals. The men comprising this group are:



The analysts have been instructed to give priority to samples from this group. They have been analyzing samples in chronological order, but in fairness to the staff, it must be pointed out that blood and urine samples collected from the same individuals on the same day are received in the Laboratory on different days and it is difficult to complete sets in a reasonable time or to decide which samples should be paired.

I have summarized some of the environmental data and have attached them to the report. We can add to these data if you are handy later in the week.

5/25/59

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