

December 28, 1935

Dr. Graham Edgar
Ethyl Gasoline Corporation
Chrysler Building
New York City
New York

Dear Dr. Edgar:

In reply to your letter of December 19th concerning a procedure for testing Fluid in the hands of the French government, I find myself in something of a dilemma. It would appear to me that the first requisite of a satisfactory procedure is a means of obtaining information which will be accepted by the government. I should like to know whether it has been assumed that the tests would be made under the authority of the government or whether they may be made and reported by a representative of the Ethyl Export Corporation. If it is necessary that the examination be made by some disinterested party, then it would seem that the details should be worked out with whomever is to make the actual tests. I see no reason why it should not be possible to devise suitable means for obtaining the samples and testing them with complete safety. It is necessary, however, to agree upon a uniform procedure which shall be carried out in such a way as not to demoralize the mixing procedures. Samples may be taken from drums by a person or persons properly clad and equipped with a gas mask by means of some sampling device which is of suitable size and which can be cleaned easily on the spot. I should suspect that the size of the sample would be determined by the accuracy of the method of analysis which is to be employed. If it were feasible, it would seem that a relatively small sample might be accurately measured into a known quantity of a solvent as benzol or gasoline, whereupon the diluted sample could then be taken to an analytical laboratory for the regular analytical examination.

I should think that the details of this might easily be worked out while I am abroad. Mr. Bevan and I can come to some definite conclusions about the manner of taking the sample, and presumably some agreement can be arrived at as to who shall make the analysis, after which conference should clarify all the details in such a way that a uniform procedure can be adopted. May

Graham Edgar

I suggest that it would be useful for me to have the following information in order to work out the details; (1) some statement as to the size of sample which might be required in order to give uniform and accurate results; (2) a statement of an outline of the methods most satisfactory for the examination of the Fluid; (3) the most satisfactory diluent, if it is advisable to use such; (4) the lead concentrations of the respective fluids and the limits of variation permissible. If I am supplied with this information, I believe the details can be worked out in a satisfactory form. However, any other pertinent information which may be available will be acceptable and helpful.

Very truly yours,

RAE:is

Robert A. Kehoe, M.D.