ETHYL GASOLINE CORPORATION

25 BROADWAY

NEW YORK September 5, 1924.

IN REPLY PLEASE REFER TO

RECEIVED
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INTERIOR DEPARTMENT
BUREAU OF MINES
WASHINGTON

Bureau of Mines
Department of the Interior
Washington, D.C.

Gentlemen:

This will confirm the verbal agreement made between the Director of the Bureau of Mines and Dr. W. Gilman Thompson acting as representative of the Ethyl Gasoline Corporation in furtherance of the Mutual desire of the Department of the Interior and this Corporation to carry on an investigation relating to certain phases of the physiological effects of exposure to a product known as "Ethyl Gas", which is specifically a mixture of tetra ethyl lead and a halogen carrier with ordinary commercial gasoline.

The Bureau of Mines agrees to supervise and carry on the investigation contemplated herein and will provide for this purpose the use of the regular equipment of its laboratories. We agree to provide a sum of at least seven thousand nine hundred dollars ($7,900.) and not exceeding ten thousand dollars ($10,000.) to be expended for salaries of additional assistants and other expenses incident to this investigation, it being understood that these additional assistants shall be under the control of the Bureau of Mines.

The above mentioned sum shall be paid by us in such installments and at such times as requested in writing by the Director of the Bureau of Mines or his duly authorized agents and approved by Dr. W.. Gilman Thompson, whom we designate as our representative to co-operate with the Bureau of Mines in carrying on this investigation.

The attached schedule which is made a part of this agreement contains an outline of the work to be conducted under this investigation and the method in which it is estimated the expenditure shall be made. It is understood and agreed, however, that this program may be changed from time to time upon mutual agreement of both parties hereto.

All manuscripts will be submitted to us for comment and criticism and will not be published without the mutual consent of the Department of the Interior and the Ethyl Gasoline Corporation. Due acknowledgment will be given in the publications, when made, to the co-

operation of this Corporation. No progress reports will be given out for publication before the investigation is completed without mutual consent of the Department of the Interior and the Ethyl Gasoline Corporation, the latter to have the right to use any of such publications for any purpose it may desire.

When approved by the Secretary of the Interior, this agreement shall be considered in effect as of And remain in force and effect until

Please signify your acceptance of the above agreement by having the proper officers affix their signatures at the places indicated below, on both the original and the attached duplicate of this letter, returning the latter for our files.

ETHYL GASOLINE CORPORATION

By Frank A Howard
First Vice President

Accepted for the Bureau of Mines
By

_____
Director

The above agreement is hereby approved and ratified.

Department of the Interior

By

_____
First Asst. Secretary.

(Seal)

SCHEDULE OF WORK TO BE CONDUCTED AND MONEY EXPENDED

The investigation is to consist of the following studies on animals and, if advisable, in some instances, upon man:

I. Effect of long continued inhalations of concentrations of ethyl gas and ethyl fluid that simulate those to which garage men, filling-station employees, and consumers of the products might be exposed.

II. Effect and absorption through the skin of ethyl gas and ethyl fluid under conditions that simulate those which might occur among garage men, filling-station employees, and consumers.

III. A differantiation between the physiological effects and changes produced by the constituents composing ethyl gas and ethyl fluid or, namely, a possible determination of those attributable to tetra ethyl lead, the halogen carrier, and the gasoline.

Personnel:

1	Assistant Biochemist	$2100.
1	" Analytical Chemist	2100.
1	Laboratorian	1200.
	Total	$5400.

If in the course of the investigation, it is found possible to expedite the work by simultaneously carrying on various phases, the above personnel may not suffice for all the laboratory work, in which case it will be necessary to provide a laboratory assistant whose duties will be divided with the work as needed.

Equipment and Supplies for 12 months' experimentation:

Animals	$300.00	
Chemicals and supplies	500.00	
Annual Feed	200.00	
Probable equipment (see note *)	1500.00	
Total		$2500.00

*

Should it be found possible to carry on simultaneously different phases of the work, thereby expediting the investigation, the above amount has been estimated to provide for the purchase of additional equipment which may be used.