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ETHYL CORPORATION

MANUFACTURING AND TRAFFIC DEPARTMENT

PLEASE ADDRESS REPLY TO
CHRYSLER BUILDING
405 LEXINGTON AVE., NEW YORK 17, N.Y.

October 26, 1945

Dr. R. A. Kehoe
College of Medicine
University of Cincinnati
Eden & Bethesda Avenues
Cincinnati, Ohio

Dear Dr. Kehoe:

Following our telephone conversation yesterday, I am sending you herewith copy of Ray Bevan's letter of October 15 together with copy of my reply. Both these letters should, I feel, make the position quite clear. We naturally would be extremely grateful if you could pass your comments to me in due course as to the proposals which I have outlined therein.

As I mentioned to you, I am leaving on Sunday for Baton Rouge and I must leave there on November 15 for Miami. Should you wish to discuss the matter which is raised in this correspondence with me personally, naturally I would be prepared to come up to Cincinnati. This is a point, however, which we might examine by a telephone conversation between us.

With kindest regards,

Sincerely yours,

H. Fossett
Hugh Fossett

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ETHYL CORPORATION

Mr. T. R. A. Bevan

MANUFACTURING AND TRAFFIC DEPARTMENT

PLEASE ADDRESS REPLY TO
CHRYSLER BUILDING
405 LEXINGTON AVE., NEW YORK 17, N. Y.

October 26, 1945

Mr. T. R. A. Bevan
The Associated Ethyl Company, Ltd.
Artillery House
Artillery Row
London, S.W.1, England

My dear Ray:

I received your letter Reference S-7, dated October 15, whilst I was at Deepwater. Incidentally, in passing, I would just like to mention that I spent a most valuable complete day in Joe Stecher's office just talking solidly to he himself, Dr. Parmelee, and Dr. Herndon. They sent their very kindest regards to you.

I discussed the outline of your letter with Dr. Kehoe by telephone yesterday and his first reaction was that he could not agree in principle to a booklet in which are combined the detailed regulations for the various types of mixing operation. The reason which he put forward for this initial reaction was that there are detailed differences of the specific regulations which are applicable say to bulk plants handling supplies in rail cars and those plants handling supplies in drums. Furthermore, there are pronounced differences in the case of pure drum mixing plants. He felt that in particular it was a bad thing to combine these regulations on the ground that an official of a distributing company might wish to refer to some specific point in the operation and in error be guided by a paragraph in the wrong section. Dr. Kehoe also felt that at least in our territory it is unlikely that many installations will embrace different types of mixing plants and he felt that to issue specific instructions against the blending plant as the unit was the preferable policy.

I pointed out to him what I have interpreted to be the underlying motive in your letter, mainly that ~~even~~ in ^{the} negotiation of an agreement the executive officials of the distributing company should have clearly before them a printed record of all our recommended requirements.

I have, therefore, taken the course of preparing a basic booklet of recommendations which I feel will be suitable for incorporation as a schedule ^{to} license agreement. This I have divided into three parts. Part I being general recommendations applicable to all mixing

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operations, Part II being general instructions which must be fully understood by all persons associated in any way with the handling of Ethyl Fluid. (These are the basic safety recommendations.) Part III which refers to the special regulations which are issued covering all phases during which contact with Ethyl Fluid may be involved. In this section I have listed the detailed recommendations applicable to all types of blending plants, the handling of Fluid in the laboratories, tank cleaning, transport, etc.

Dr. Kehoe agreed that there was duplication between the blue book and our other publications and so, therefore, I have also made a rough revision of each individual book to eliminate unnecessary duplication and to keep the instructions specific to the type of operation which is being considered.

Dr. Kehoe suggested that I should send on these proposals to him for his comment and, if necessary I will travel up from Baton Rouge to discuss them with him in detail.

You refer in your letter to the necessity of referring to our drawings and specifications covering blending plants, so in this connection I would like to point out that all our drawings are badly in need of revision and, furthermore, we ourselves have prepared no detailed specifications covering bulk activities.

I have suggested the following phraseology to cover the issue of blending plant specifications.

"B. The Utilization of Adequate Mixing Equipment.

Each mixing system must be built in precise accordance with drawings submitted by the distributing company and approved by representative of the Associated Ethyl Company. The plant arrangement is based upon drawings and upon specifications furnished by the Associated Ethyl Company. Specifications cover the essential hygienic and safety requirements."

I feel that in this way we are left free to revise our designs and specifications from time to time, since it is necessary for the distributing company to submit plans to us of each proposal involving a blending plant. If through circumstances these plans are based on what we then regard as obsolete practice, our modern ideas will be developed by our Safety Department after receipt of the plans. Alternately, in the case of a new contact, they will obviously write in first of all to ask to be given the necessary details, which will then be sent out to them knowing them to be up to date.

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MILLERY HOUSE, 155

In Part III of the special regulations I have listed categorically all our publications, so in this connection I think that we require the following additions in finished printed form.

1. Handling and Mixing of Ethyl Fluid in Laboratories.
The booklet to include details of the design of suitable hoods for litre can and larger scale laboratory mixing. Also details of the current standard methods for the analysis of tetraethyl lead in gasoline.
2. Placard setting out the basic regulations for handling Ethyl Fluid in laboratories.
3. Placard setting out the basic Tank Cleaning Regulations. I think will be of value if distributed for posting in Superintendents' and Foremen's offices at installations.

The individual mixing regulations really are only condensed by the elimination of paragraphs 1F, "Related Activities" and sections IV and V dealing with the handling of Fluid in laboratories and tank cleaning. General information is retained for the reason that a subordinate executive will undoubtedly be charged with providing the necessary facilities, e.g. drum to weigh tank, and he must be in position to have all the necessary information relative to that specific application.

There will be a considerable amount of work to be done to revise all these prime safety instructions, mixing plant specifications, drawings, etc., but I think that in principle there is nothing that Blake could not undertake and do with some guidance from Pryke to set him on the lines.

Sincerely yours,

Hugh Fossett

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THE ASSOCIATED ETHYL COMPANY LIMITED

ARTILLERY HOUSE, ARTILLERY ROW, LONDON, S. W. 1

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Our. ref. S/7

15th October 1945

Mr. H. Fossett,
c/o Mr. John Schaefer,
Ethyl Corporation,
Chrysler Building,
405 Lexington Avenue,
NEW YORK

Dear Hugh,

We are at present revising the agreements between Associated and its customers covering the supply and purchase of Ethyl Fluid.

The proposed Clause 6(c) of the new agreement will read as follows:

"Handling and mixing of the compound with gasoline and distribution and sale of treated gasoline shall be carried out in accordance with the existing recommendations as regards health issued by Seller and comprised in the documents listed in the Schedule hereto and such modifications and additions thereto as Seller may from time to time be issued by an governmental agency having jurisdiction in the premises."

You will note from the words I have underlined that we propose attaching to each agreement a copy of all of our relevant safety recommendations. It will therefore be necessary to revise these recommendations in the immediate future so that we can have them reprinted for sending out with the new sales agreements. Strictly we are supposed to have these new agreements in the hands of our customers by the 1st of November, but it is improbable that they will be ready for dispatch before the end of the present year.

It seems to me that the following documents must be listed in the schedule:

1. Regulations for handling and mixing Ethyl Fluid (blue booklet).
2. Regulations governing the transportation of Motor antiknock compounds.
3. Regulations governing the cleaning and repairing of storage tanks which have contained leaded gasoline.

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It might also be desirable to include the booklet dealing with can filling, but I am at the moment a little doubtful about this.

I am enclosing a copy of each of the above mentioned booklets, and would much appreciate your arranging to discuss them at the earliest opportunity with Oscar Lewis and Dr. Kehoe, with a view to making such revisions as are considered desirable to bring them up to date.

As at present written the blue book includes references to transport and storage of Ethyl Fluid, tank cleaning etc., all of which it seems to me should be deleted and covered in the separate booklets which deal with these matters. In other words I think we should have one booklet dealing with blending and related matters, and separate booklets dealing with transport, tank cleaning and gasoline handling.

I suggest for consideration of Dr. Kehoe, Oscar and yourself that the blue book deal only with "Recommendations for mixing Ethyl Fluid (aviation and motor) with gasoline"; the book to be divided into two parts, the first dealing with mixing by means of barrel equipment and the second by means of bulk equipment. As mentioned earlier I think reference to all subjects other than mixing should be deleted from this book.

Labelling of containers is covered by Clause 6(d) of our proposed new agreement which will read as follows:

"All pumps and containers through which treated gasoline is distributed must be plainly labelled with the words 'This fuel may contain lead and is to be used as motor fuel only' or their equivalent in other languages where appropriate".

The Ethyl folder will, of course, require to be re-written, but I do not think it essential that this booklet be listed in the schedule to be attached to our sales contract, and I suggest that its revision be left over until after your return.

You will appreciate that we have not much time at our disposal, and therefore anything you can do to expedite revision of the booklets listed herein will be much appreciated.

I should also like your views regarding any other safety booklets which you think should be included in the schedule.

You may have noted in my letter reference to "recommendations" rather than "regulations". We propose for the future referring to all our safety pamphlets as "recommendations".

Yours sincerely,

(signed)
T. R. A. BEVAN

Enc.

P. S. Blending Plant Blue Prints will, of course, also have to be listed.