

March 3rd, 1941

Dr. P. A. Neal
National Institute of Health
Washington, D. C.

Dear Doctor Neal:

I send you herewith two copies of the code of instructions which Dr. Machle and I regard as essential in principle to take care of the present situation.

A few comments on these instructions are indicated. With respect to the manufacturing process, we have boiled down the paragraphs to what would seem to be the minimum requirements, leaving out specific reference to types of equipment actually in use. Reference to the larger memorandum will explain the background of these to a considerable extent.

Transportation and storage have been given short shrift because of the difficulty of dealing adequately with them at this time, because also it may be hoped that the experience of the federal agencies mentioned here is such that they will take prompt interest in the matter, and because the problem at the moment is not great and may not develop into anything of importance. We have codified our experience in these matters into a Safety Manual, a copy of which will be furnished to you for your information at an early date. Obviously we shall be ready to give every assistance in these matters at any time it is required.

Mixing operations have been dealt with in accordance with the proposed regulations of the Service in 1926, as supplemented by the principles which have guided us for many years. They are brief but sound in principle. Objection may be made to the phrase "except under conditions which must be defined in detail", which is employed in two places. This, or something similar, is necessary, however, in view of the fact that improvements in procedure have been made from time to time, and will be in the future. For example, there is a bulk type of mixing plant that was designed specifically for greater safety in handling large volumes of Fluid shipped by tank car, or in a few instances, shipped in drums and promptly emptied

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