

October 19, 1964

Mr. R. B. Davis
E. I. duPont de Nemours & Company, Inc.
Wilmington 98, Delaware

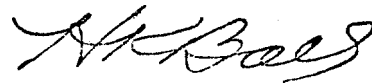
Dear Russ:

Subject: Industry Safety Meeting
Wilmington, Delaware
September 9, 1964

We are attaching copy of notes we made at our Industry Safety Meeting in Wilmington as to what we believe was the consensus of the group on the various questions that were raised on the agenda.

We would like your comments, as well as those of your group, on these questions at your convenience.

Yours very truly,



H. K. Ball, Manager
Product Service and Safety

HKB:vb
Attachment

cc: Dr. J. C. Calandra (Att.)
Mr. Osborne French "
Dr. George Roush, Jr. "
Dr. R. A. Menoe "
Dr. L. W. Sanders "

KE 0003271

NOTES ON INDUSTRY SAFETY MEETING
Wilmington, Delaware
September 9, 1964

Transcript of Meeting

The question of whether or not exposure to lead in sludge outside of a tank would be fatal was thoroughly discussed. It was agreed that such exposure would not be fatal and that if exposure were, fatal, it would have to occur through the respiratory system. A man could get such an exposure by removing fresh air equipment while working in a tank which had contained leaded gasoline.

Regarding the rest of the items on the agenda, it is believed these were answered as follows:

III. Respiratory Protection

1. Is it safe for men to handle sludge removed from gasoline storage tanks without respiratory protection?

Answer: Yes

2. Is it necessary to devise a field method to determine organic lead level in sludges?

Answer: No. (Ethyl Corporation is using a field method which is accurate within $\pm 20\%$.)

3. At what concentration can sludges from leaded gasoline storage tanks be considered as a non-toxic substance?

Answer: 20 ppm

4. Is it safe to have sludge spread in the open for weathering near a tank which is being cleaned?

Answer: Yes

IV. Protective Clothing

- A. Is it safe to take coveralls contaminated with sludge home or to a motel for washing?
- B. Is it safe to wear clothing contaminated with sludge to a restaurant or bar?

Answers - A and B: This represents no problem although it would be very poor practice.

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PROPOSED AGENDA - INDUSTRY MEETING

PLACE: Wilmington, Delaware
Nemours Building, Room N-8419

DATE: Wednesday, September 9, 1964

TIME: Start at 9:00 A. M.

PURPOSE: To review the adequacy of the gasoline tank cleaning precautions and recommendations with respect to recent incidents.

- I. Review known facts with reference to the poisoning of three men at Westville, New Jersey.
 - A. Description of tank and surroundings
 - B. Methods of preparing the tank
 - C. Description of crew and equipment
 - D. Cleaning methods
 - E. Sludge analyses
 - F. Lead-in-air analyses
- II. Review the recent data concerning the concentration of organic lead found in sludges removed from leaded gasoline storage tanks.
- III. Respiratory Protection
 - A. Is it safe for men to handle sludge removed from gasoline storage tanks without respiratory protection?
 - B. Is it necessary to devise a field method to determine organic lead level in sludges?
 - C. At what concentration can sludges from leaded gasoline storage tanks be considered as a non-toxic substance?
 - D. Is it safe to have sludge spread in the open for weathering near a tank which is being cleaned?

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IV. Protective Clothing

- A. Is it safe to take coveralls contaminated with sludge home or to a motel for washing?
- B. Is it safe to wear clothing contaminated with sludge to a restaurant or bar?
- C. At what concentration of organic lead in sludge and/or in air is skin protection against vapors necessary? *not necessary*

V. Working Conditions

- A. Is it safe for tank cleaners to work more than 8 hours a day?
- B. How much supervision is required?
- C. How many men constitute a safe working crew?

VI. Blending and Mixing Procedures

- A. Are mixing procedures which are currently in use adequate?
- B. Should rate of addition of antiknock to tanks be limited?
- C. Should we recommend extra mixing or flushing or leaching procedures in blending tanks prior to opening for entry, cleaning, or repair?

VII. Summary

A. Precautions:

What recommendations should be made to the API concerning tank cleaning precautions published in Bulletin 2016?

B. The role of the manufacturer of Antiknocks at gasoline tank cleanings:

What position should the manufacturers of lead antiknocks take with reference to contractors?

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