

INDUSTRIAL WASTE DISPOSAL CORPORATION

P. O. Box 272

Telephone 6670

LA PORTE, TEXAS

January 7, 1957

Dr. R. A. Kehoe
Kettering Laboratory
Eden Avenue
Cincinnati, Ohio

Dear Dr. Kehoe:

In a recent conversation with Mr. Kenneth Jost, who is with the Ethyl Corporation in Houston, Texas, the subject of deep sea disposal of gasoline storage tank bottom sediments arose. I was referred to you as being the man who would best understand the problem and would also be in the best position to evaluate such a method from the health hazard point of view.

We would plan to place the material in sealed metal drums, haul it to sea beyond the 100 fathom line and allow it to sink to the bottom. We would determine the effects of such material leaking into the water mass at this depth on marine organisms before such an operation was undertaken. From past experience with such wastes as chlorinated hydrocarbons having a threshold toxicity level of about 6×10^{-6} grams/L for organisms such as Playtmonas sp., Chlamydomonas sp., Nitzschia sp., etc. it would appear that the tetra ethyl lead toxicity would not be too great a problem at sea. This we would want to determine however.

The following questions have arisen in our thinking on this problem:

1. Could the material be safely placed and sealed in metal drums?
2. If we were to undertake the entire cleaning operation could the same crew of men work with this type material continuously? I should think we would want to bring the inside air concentration to less than the $4\mu\text{g}/\text{cu. ft.}$ level.
3. Would it be possible for a service company such as ours to mechanize to do this job since we would be cleaning many tanks and not just an occasional one?
4. What is the potential market for this service in the Gulf coast area? In the U. S.?

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Any comments you may have on this metter will be very much appreciated. We have plans to observe a tank cleaning operation this month. Some of the above questions may then be clarified.

Very truly yours,
INDUSTRIAL WASTE DISPOSAL CORPORATION


by Donald W. Hood
President

cc: Kenneth Jost
Ethyl Corporation

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