



INTERNAL CORRESPONDENCE

FILE COPY

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CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, WEST VIRGINIA 25303

To (Name) Mr. J. D. Baker - 312
Division Mr. C. C. Duffield - 314
Location Mr. J. F. Erdmann - 515
Mr. J. L. Goodson - 312
Mr. R. J. O'Connors - 380
Mr. C. W. Shonnard - 380

Date July 8, 1974

Originating Dept. Environmental Protection

Subject EPA Study
Silicones and Phenolics

Copy: Mr. R. N. Bates - 380
Mr. T. W. Carmody - NYO, 21
Mr. R. A. DeCoudres - 312
Mr. D. L. Engle - 515
Mr. R. C. Hieronymus - NYO, 21
Mr. J. B. Leverton - 515
Mr. W. R. van der Hoeven - 515
Mr. C. A. Wales - 314
Mr. A. J. Wiltjer - NYO, 32
Mr. N. L. Zutty - NYO, 32

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JUL 25 1974

R. N. WHEELER, JR.

Gentlemen:

Please refer to the attached letter from Professor Short and my response.

I am writing to you as representatives of the locations and business areas. Your indication to me of approval to cooperate with Professor Short would be appreciated assuming that he responds with reasons that make efforts of the personnel that would be involved seem appropriate.

Please also let me know if a representative of the business area should sit in on any discussions with Professor Short to avoid our revealing any information you consider to be proprietary.

Sincerely,

F. D. Bess/jh
F. D. Bess

FDB/jh

Attachment: Correspondence
w/Professor Short

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UNION CARBIDE CORPORATION
CHEMICALS AND PLASTICS

P. O. BOX 8361, SOUTH CHARLESTON, W. VA. 25303

July 8, 1974

W. Leigh Short
Chemical Engineering Department
Goessman Laboratory
University of Massachusetts
Amherst, Massachusetts 01002

Dear Professor Short:

This is to acknowledge your request of June 25th to obtain technical information on the generation of wastewaters in the plastics and synthetics industry as part of a contract from EPA.

Before I can adequately respond to your request it is necessary to consult with personnel at the locations you mention and others associated with these business areas.

It would be most helpful to me in approaching these persons to have a better understanding of the end result of the work you plan since the same basic type of information was supposed to have been collected by Arthur D. Little, Inc., as part of their contract with EPA for the development of effluent guidelines. This contractor did visit our silicones manufacturing facilities at Sistersville, West Virginia.

It is our intent to cooperate where possible in the development of information that will lead to promulgation of regulations which are technically accurate and reasonable. However, we also feel a responsibility to avoid intruding on the time of our location personnel unnecessarily.

Could you please aid me by indicating how your work differs from that of the Arthur D. Little study for EPA?

Sincerely,

F. D. Bess

F. D. Bess

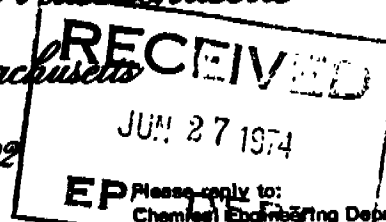
FDB/jh

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CHEMICAL ENGINEERING DEPARTMENT
School of Engineering

The Commonwealth of Massachusetts
University of Massachusetts
Amherst 01002



Please reply to:
Chemical Engineering Department
Gossmann Laboratory
University of Massachusetts
Amherst, Massachusetts 01002

June 25, 1974

Mr. F. D. Bess
Union Carbide Chemicals and Plastics
P. O. Box 8361
South Charlestown, West Virginia 25303

Dear Mr. Bess:

This will confirm the information I gave to you in our recent telephone conversations. Robert Lenz, my colleague in the Chemical Engineering Department, and I have a contract, No. R-801200 from the Industrial Pollution Control Branch of the Environmental Protection Agency. The contract officer is Mr. Paul E. DesRosiers. The general purpose of this contract is to obtain technical information relative to the waste streams (water) generated from the production of plastics and synthetic resins. The particular products with which we are most concerned include silicones, PPO, nylons, urea and melamine formaldehyde, phenolic resins, rayon, cellophane, epoxy resins, polyvinyl alcohol, polyvinyl acetate, etc.

Our main purpose, is to obtain data on the characteristics of the waste streams generated and their treatability. We are also concerned with recommending what (if any) technology is needed to further treat these streams to meet future water pollution standards. The type of information we need includes:

- 1) Data on types and amounts of chemicals which are present in the waste stream and their treatability; this information can be described by numbers such as BOD₅, COD, TOC, GLC analyses etc.
- 2) Information on where these chemicals come from in the process and whether their concentrations or quantities can be reduced.

Specifically we would like to visit your Sisterville facility to see the epoxy plant, the phenolics manufacturing facilities at Marietta and Bound Brook and the Texas City, Texas plant. As I will be in Houston

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Mr. F. D. Bess

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June 25, 1974

on July 9, I would like to visit the Texas City Plant either July 8 or July 10. After such a visit we will prepare a trip report which is sent to you before release to the E.P.A. Union Carbide will then be able to edit the report for any factual errors and to identify what, if any information is confidential. Information so identified is then not released to the general public, but goes in a confidential file kept by us and the project officer.

We look forward to hearing from you and want to thank you for your consideration.

Sincerely,

W Leigh Short

W. Leigh Short
Professor

WLS/mm

cc: Mr. John B. Leverton
Union Carbide Chemicals and Plastics
P. O. Box 471
Texas City, Texas 77590

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