UNION CARBIDE

PLAINTIFF'S EXHIBIT UC-1178

UNION CARBIDE CORPORATION P. O. BOX 471, TEXAS CITY, TEXAS 77590

INDUSTRIAL HYGIENE

July 23, 1984

Mr. Gerald A. Baty
U. S. Department of Labor
Occupational Safety and Health Adminis.
Houston Area Office
2320 La Branch, Room 1103
Houston, TX 77004

Re: 70691548

Dear Mr. Baty:

As promised in my letter of June 4, 1984, an evaluation of crotonaldehyde exposures in our Ethanol Unit (Bldg. 92) has been conducted and in a total of 42 8-hour determinations, no crotonaldehyde was detected. The data was taken over an 11 day period and included operations and maintenance employees and area samples.

The reported sensitivity from Mideco, the AIHA certified lab that analyzed the samples, was 0.1 ppm by gas chromatography mass spectrophotometry. This is well below the permissible exposure limit of 2 ppm and based on this data no corrective actions or modifications are anticipated.

Your interest in this matter is appreciated and we hope that this report will satisfy your requirements.

Sincerely,

Kirk E. Martin, CIH

KEM:IR
Crotona2

Bcc: L. E. Calvert
S. J. Footer
J. B. Leverton
F. S. Provenzano
R. C. Wise - 500
B. L. White - 500
A. P. Yalcinkaya

UCTC 21108