PLAINTIFF'S EXHIBIT

ETCO-652

ETHYL CORPORATION

INTER-OFFICE

To Kenneth Eiswirth Address BRP

From T. L. Roberts Address BRT

Subject Asbestos Survey - Carpenter Shop Date October 5, 1977

Per your request, an asbestos survey was conducted in the carpenter shop on July 25 and September 9, 1977. The purpose of this survey was to evaluate employee exposures while cutting asbestos containing materials and also to determine the efficiency of the ventilation system. Personal breathing zone samples were collected with MSA Model G pumps on standard 0.8μ membrane filters mounted in an open face filter holder. Samples were counted using 430X phase contrast illumination. Attached for your review are the results of these test.

All personal exposures were well below the OSHA standard of 2 fibers/cc, longer than 5 micrometers as outlined in 1910.1001 of the Federal Register. Even though employee exposures are below the regulation, there are other requirements that must be met to maintain compliance. Section 1910.1001(g) specifies the requirements of caution signs and labels for areas handling asbestos. Since there is a potential for airborne asbestos concentration to exceed the standard in this location, caution signs are recommended. Caution labels should also be affixed to the bags used to discard dust and debris from the cyclone filter. These wastes should be handled as specified in Section (h) Housekeeping.

The ventilation system was evaluated with MSA smoke tubes and an Alnor 6000P velometer. Collection efficiencies are well in excess of those specified in the NIOSH Industrial Ventilation Guidelines. In order to maintain flow velocities as witnessed during this survey, a preventive maintenance program should be implemented.

If additional information or assistance is needed, please call.

T. L. Roberts
Industrial Hygienist

TLR:bto
Attachment
cc: J. F. McElderry
J. F. Hamilton
A. E. Hutchinson
D. E. Johnson
C. B. Myers, M.D.
W. C. Strader
G. Ter Haar
File: Baton Rouge Plant - Oper.

ASBESTOS SURVEY

Carpenter Shop

Date	Sample Area	Sample No.	TWA Asbestos Concentration
7-25-77	Carpenter Shop	2H-2ASB	0.04 fibers/cc
7-25-77	Carpenter Shop	30H-1ASB	0.01 fibers/cc
9-9-77	Carpenter Shop	2H-1	0.15 fibers/cc

Threshold Limit Value = 2.0 fibers/cc >5μ in length