PLAINTIFF'S EXHIBIT

CAP-1138

City of Thousand Oaks

UTILITIES DEPARTMENT
OTTO H. W. BLUMË, DIRECTOR

September 14, 1981

RECEIVED SEP 21 1981

Joseph C. Jackson, President
A/C Pipe Producers Association
1600 Wilson Blvd - #1308
Arlington VA 22209

ASBESTOS FIBER RESEARCH PROJECT

The City of Thousand Oaks has completed the necessary field work , received the results of the laboratory analyses for selected samples and completed the preliminary * evaluation of the significance of this data. I have attached for your information copies of pertinent memorandums and data related to the project.

In general, I am more than pleased with the data which has resulted from the City's activities. A preliminary review has resulted in the following findings:

1. Hydrant flushing proved to result in the effective removal of asbestos fibers.

2. High fiber levels were initially found in both of the test lines.

3. A definite relationship between asbestos fibers and turbidity was observed for both the level of fibers and effectiveness of removal.

4. An interesting correlation was found in the percentage of fibers removed versus the number of turnovers of water.

5. There was no evidence to indicate that flushing from a downhill reach produced a more effective fiber removal than by flushing on a flat reach.

As we discussed in our meeting in Denver on May 18, 1981, it would be appropriate that we meet again to discuss the results of both the field and laboratory elements of the overall program, to formulate the general approach by which the information developed in the program will be disseminated and to discuss any possible follow-up field work that may be necessary to substantiate laboratory developed data. Should additional field data be necessary, this work could be performed in the City water system; it would, however, require the authorization of Mr. Otto H. W. Blume, Director of Utilities. As such, I would propose that both Mr. Blume and myself attend the next meeting in Denver.

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The City is appreciative of the cooperation which the ACPA has demonstrated in sponsoring this program which I believe will be of substantial benefit to the industry. I look forward to our next meeting. If you have any questions in the interim, please call.

Donald H. Nelson

DONALD H. NELSON
SENIOR CIVIL ENGINEER

DHN:db
* Attachment

cc: Otto H. W. Blume, Director of Utilities
Ron Carney, Johns-Manville (w/attach.)