



Subject: Woodbury Ground Water Problem

March 24, 1967

M I N U T E S O F A M E E T I N G

A meeting was held on Thursday, March 23, 1967, at Rochester, Minnesota, with Dr. M. M. Hargraves, Chairman of the Minnesota Water Pollution Control Commission, to review the ground water problem in Woodbury Village near the 3M disposal site. Those present were L. E. Richie, Geologist, Minnesota Department of Health, and J. T. Ling, R. O. Laine, and the writer representing 3M.

The entire history of the operation at the 3M disposal site in Woodbury Village, including the ground water problem and the proposed solutions, were thoroughly reviewed with Dr. Hargraves. His attitude during the presentation appeared to be one of complete cooperation with 3M and he expressed the point of view that the problem was also shared by the Water Pollution Control Commission and they, too, wished to avoid any undue publicity.

As a result of the meeting the following conclusions were reached:

- (1) J. T. Ling and the writer will meet with the staff of the Commission to prepare a letter to the Commission outlining our proposed program and requesting permission to discharge the proposed pumped water from the barrier and removal wells to the Mississippi River. This letter is to include any conditions that might be attached by the Commission to the formal approval such as continued bioassay and toxicity studies and continued monitoring of the well water.
- (2) Representatives from 3M will meet informally with the entire Commission for lunch on March 31, 1967, during their regular scheduled meeting to review the problem with all Commission members. The request for approval of the program and discharge will then be taken up officially by the Commission late in the afternoon session. Dr. Hargraves explained that at this time it is unlikely that any reporters will be present. At the present no one from 3M is required to be present at this session.

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**Exhibit
2640**

State of Minnesota v. 3M Co.,
Court File No. 27-CV-10-28862

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It will not be listed on the official agenda of the coming Commission meeting.

- (3) Dr. Hargraves strongly suggested the following toxicity tests should be carried out and that all of this data should be made available to the Commission for their review.
 - (a) More intensive bioassay work should follow the work that has already been done, including long term toxicity to fish and aquatic life, fish tainting, etc. It was pointed out that we are going to discuss detailed bioassay procedures with Dr. Lloyd Smith, aquatic biologist, University of Minnesota.
 - (b) The toxicity tests are to continue, including observations of the long term accumulated effect of the chemicals in the ground water on test animals. Analysis of the bone marrow, spleen, and fatty tissues in the test animals, among other things, should be analyzed for accumulation of these chemicals. Pathological tests on test animals actually killed by large concentrations of isopropyl ether should also be made.
- (4) The methods of conveying the pumped water from the disposal site to the river were explored. The decision on the method is not required by the Commission before they approve the discharge of pumped water to the river. When the final method is selected by 3M, we shall review the method, together with necessary supporting data, with the staff for their approval.

It was the concensus after the meeting of those people from 3M that the program and approval for discharge of the water to the river will be granted and that the Commission will attempt to cooperate with 3M to the fullest extent.

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